



SWITCH CATALOGUE  
**SWITCHES FROM 10A UP TO 315A**  
DISCONNECT SWITCHES / ROTARY CAM SWITCHES

## **Switchgear from Salzer: Solutions for the future!**

Since 1956 Salzer has specialised in the development, manufacture and sale of low voltage switchgear.

The large selection of types, switching programmes and mounting forms mean that practical reliable solutions can be achieved quickly. Whatever the switch, all individual parts are optimally co-ordinated, easy to assemble and combine.

Whether in switching and automation systems, mechanical engineering and construction, in the heating, climatic and ventilation industry, environmental technology or other areas: Salzer switches provide safety!

Product support, training and service as well as a Certified Quality Management to DIN EN ISO 9001:2000 are an essential part of our daily work. Our switches comply with national and international standards (IEC / UL / CSA) and are suitable for world-wide application.

Special requirements? Call us, we'll help you find an individual solution for your switching needs.

## **Faster deliveries through SMD!**

In order to ensure even greater flexibility for worldwide supply availability within 24h, Salzer Electric has introduced the SMD (Salzer Modular Design) system.

SMD modules are individually prefabricated and tested all-in-one modules which SMD Service holds in stock in sufficient quantities. From basic switch modules, mounting form modules and operator modules, SMD Service can assemble a complete switch requested by the customer and pack it ready for delivery in just a few actions.

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## Setup of Switch Catalogue

This catalogue includes a selection of our standard programmes and is divided into the following categories:

**Disconnect Switches** page 4

Rotary Cam Switches page 110

If you need assistance in the selection of a product or require additional information on the range of products available from Salzer, please feel free to contact us!

## How to order

The 16 digit order code number for complete switches consists of the three ident numbers for type, switching programme and mounting form:

**Type** - **Switching programme** - **Mounting form**

- the **type** specifies the physical size and power rating of the switches
- the **switching programme** specifies the switching arrangement and the switching angle
- the **mounting form** specifies the mountings, types of handles and optional extras

In addition to the order code number, each complete switch is assigned a machine readable 13 digit EAN Code.

# Disconnect Switches

## Safe **Switching** and **Disconnecting**

Disconnect Switches from Salzer are hand-operated switchgear for main circuits and are offered as ON-OFF Switches (3, 4, 6 and 8 pole) or as Changeover Switches with centre Off (3 and 4 pole).

### Design and Function

- 90° switching angle
- Forced open Contacts
- Terminal screws in open position
- Finger protected (degree of protection up to IP20)
- Short-circuit rating
- Fulfils the load break requirements up to 690V or up to 1000V

### Conformity

Our products are designed, manufactured and tested according to the following standards:




- IEC 60947
- EN 60947
- IEC 60204-1
- EN 60204-1
- UL 508
- CSA 22.2, No. 14

### Applications

Disconnect Switches offer ideal features for their use as:

- ON-OFF Switches
- Main Switches
- Emergency-Off Switches
- Maintenance Switches
- Safety Switches
- Distribution Switches
- Motor Switches

Mounting Options

	<p><b>Front Mounting</b></p> <ul style="list-style-type: none"> <li>Four hole mounting</li> <li>Single hole mounting</li> </ul> <p>Available as Main/Emergency-Off Switch, Main Switch, ON-OFF Switch or as a Changeover Switch.</p>
	<p><b>Base Mounting</b></p> <ul style="list-style-type: none"> <li>Snap on mounting (DIN Rail 35 mm DIN EN 60715)</li> <li>Four hole mounting</li> </ul> <p>Available as Main/Emergency-Off Switch, Main Switch, ON-OFF Switch or as a Changeover Switch.</p>
	<p><b>Enclosed Switches</b></p> <ul style="list-style-type: none"> <li>Insulated enclosure</li> <li>Mild steel enclosure</li> <li>Stainless steel enclosure</li> </ul> <p>Available as Main/Emergency-Off Switch, Main Switch, ON-OFF Switch or as a Changeover Switch.</p>

With a broad range of mounting and operator options, Salzer can provide economical, versatile and reliable solutions!

Product lines

Product line H200	IEC:	UL/ CSA:		
<ul style="list-style-type: none"> <li>Main/Emergency-Off Switch, Main Switch</li> <li>ON-OFF Switch</li> <li>Changeover Switch</li> </ul>	20A - 63A	15A - 60A	3 ... 8 pole	switching angle 90°
	20A - 63A	15A - 60A	3 ... 8 pole	switching angle 90°
	20A - 40A	20A - 40A	3 ... 4 pole	switching angle 90°
Product line H400	IEC:	UL/ CSA:		
<ul style="list-style-type: none"> <li>Main/Emergency-Off Switch, Main Switch</li> <li>ON-OFF Switch</li> <li>Changeover Switch</li> </ul>	63A - 125A	63A - 100A	3 ... 8 pole	switching angle 90°
	63A - 125A	63A - 100A	3 ... 8 pole	switching angle 90°
	63A - 125A	63A - 100A	3 ... 4 pole	switching angle 90°
Product line K600	IEC:	UL/ CSA:		
<ul style="list-style-type: none"> <li>Main/Emergency-Off Switch, Main Switch</li> <li>ON-OFF Switch</li> <li>Changeover Switch</li> </ul>	160A	175A	3 ... 8 pole	switching angle 90°
	160A	175A	3 ... 8 pole	switching angle 90°
	160A	175A	3 ... 4 pole	switching angle 90°
Product line K800	IEC:	UL/ CSA:		
<ul style="list-style-type: none"> <li>Main/Emergency-Off Switch, Main Switch</li> <li>ON-OFF Switch</li> <li>Changeover Switch</li> </ul>	315A	240A	3 ... 8 pole	switching angle 90°
	315A	240A	3 ... 8 pole	switching angle 90°
	315A	240A	3 ... 4 pole	switching angle 90°

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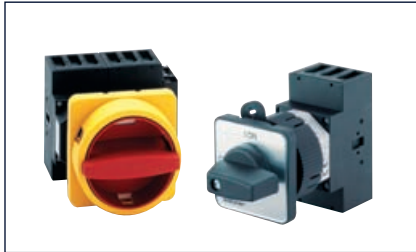
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## Front mounting

Four hole mounting

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Single hole mounting

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## Base mounting

Snap on mounting  
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## Four hole mounting 36 × 36 mm

20A / 25A / 32A / 40A / 63A

- Main/Emergency-Off Switch
- Main Switch

3 ... 4 pole

IP66 (front)

Four hole mounting 36 × 36 mm



Order code structure:

Ordering example: 4 pole Main/Emergency-Off Switch, 20A, N-padlock device:

Type - Switching programme - Mounting form  
H216 - 41400 - 033N4

Type	Rated data (IEC 60947)			Degree of protection Terminals
	Operational current I <sub>e</sub> AC-21A (A)	Operational power (at 380–440V) AC-23A (kW) AC-3 (kW)		
H216	20	5.5	3.7	IP20
H220	25	7.5	5.5	IP20
H226	32	11	7.5	IP20
H233	40	15	11	IP20
H263	63	22	18.5	IP20

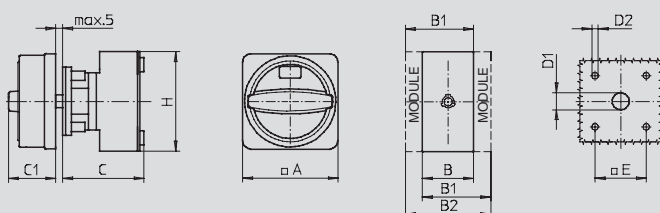
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Switching progr.	Poles	Auxiliary contacts	
		n/o	n/c
41300	3	0	0
41311	3	1	1
41320	3	2	0
41400	4	0	0
41411	4	1	1
41420	4	2	0

Switching diagrams and further switching programmes (3 ... 4 pole) page 95.

Mounting form	Operator	Main/Emergency-Off Switch	Mounting form	Operator	Main Switch
033N4		N-padlock device yellow/red	033N1		N-padlock device black
033M4		M-padlock device yellow/red	033M1		M-padlock device black
033V4		padlockable with V-handle yellow/red	033V1		padlockable with V-handle silver/black

Dimensions in mm:



Mounting form	A	B	B1	B2	C	C1	D1	D2	E	H
Types H216 / H220 / H226 / H233:										
033N4 / 033N1	67	36	48	60	58	33	15	4.5	36	70
033M4 / 033M1	67	36	48	60	58	38	15	4.5	36	70
033V4 / 033V1	48	36	48	60	58	32	12	4.5	36	70
Type H263:										
033N4 / 033N1	67	50	69	88	58	33	15	4.5	36	72
033M4 / 033M1	67	50	69	88	58	38	15	4.5	36	72
033V4 / 033V1	48	50	69	88	58	32	12	4.5	36	72





20 A / 25 A / 32 A / 40 A / 63 A

ON-OFF Switch ■

3 ... 4 pole

IP66 (front)  
Four hole mounting 36 × 36 mm

Order code structure:

Ordering example: 4 pole ON-OFF Switch, 63A, M-handle:


Type - Switching programme - Mounting form  
H263 - 41400 - 003M1

Type	Rated data (IEC 60947)			Degree of protection Terminals
	Operational current I <sub>o</sub> AC-21A (A)	Operational power (at 380–440V) AC-23A (kW) AC-3 (kW)		
H216	20	5.5	3.7	IP20
H220	25	7.5	5.5	IP20
H226	32	11	7.5	IP20
H233	40	15	11	IP20
H263	63	22	18.5	IP20

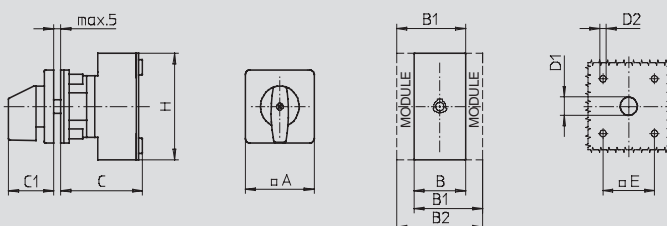
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Switching progr.	Poles	Auxiliary contacts	
		l n/o	l n/c
41300	3	0	0
41311	3	1	1
41320	3	2	0
41400	4	0	0
41411	4	1	1
41420	4	2	0

Switching diagrams and further switching programmes (3 ... 4 pole) page 95.

Mounting form	Operator
003M1	 M-handle silver/black

Dimensions in mm:



Mounting form	A	B	B1	B2	C	C1	D1	D2	E	H
Types H216 / H220 / H226 / H233:										
003M1	48	36	48	60	58	32	12	4.5	36	70
Type H263:										
003M1	48	50	69	88	58	32	12	4.5	36	72

## Four hole mounting 48 × 48 mm

20 A / 25 A / 32 A / 40 A / 63 A

- Main/Emergency-Off Switch
- Main Switch

3 ... 8 pole

IP66 (front)

Four hole mounting 48 × 48 mm



Order code structure:

Ordering example: 6 pole Main/Emergency-Off Switch, 40A, M-padlock device:

Type - Switching programme - Mounting form

H233 - 41600 - 036M4

Type	Rated data (IEC 60947)			Degree of protection Terminals
	Operational current I <sub>e</sub> AC-21A (A)	Operational power (at 380–440V) AC-23A (kW) AC-3 (kW)		
H216	20	5.5	3.7	IP20
H220	25	7.5	5.5	IP20
H226	32	11	7.5	IP20
H233	40	15	11	IP20
H263	63	22	18.5	IP20

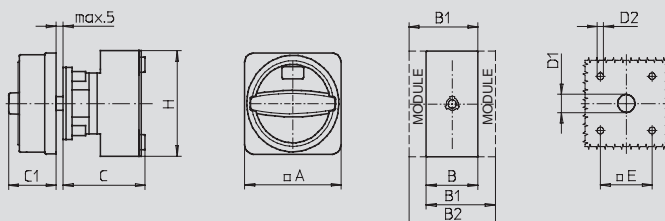
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Switching progr.	Poles	Auxiliary contacts		Switching progr.	Poles	Auxiliary contacts	
		n/o	n/c			n/o	n/c
3 ... 4 pole:				6 ... 8 pole:			
41300	3	0	0	41600	6	0	0
41311	3	1	1	41611	6	1	1
41320	3	2	0	41620	6	2	0
41400	4	0	0	41800	8	0	0
41411	4	1	1	not available for type H263			
41420	4	2	0				

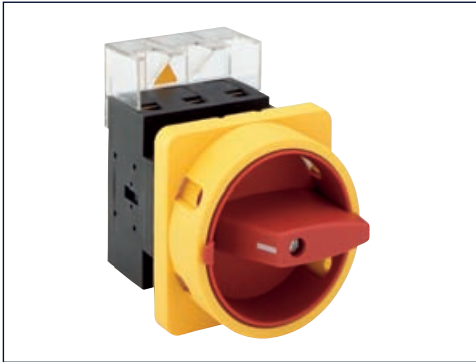
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Mounting form	Operator	Main/Emergency-Off Switch	Mounting form	Operator	Main Switch
036N4		N-padlock device yellow/red	036N1		N-padlock device black
036M4		M-padlock device yellow/red	036M1		M-padlock device black
036V4		padlockable with V-handle yellow/red	036V1		padlockable with V-handle silver/black

Dimensions in mm:



Mounting form	A	B	B1	B2	C	C1	D1	D2	E	H
Types H216 / H220 / H226 / H233 (3 ... 4 pole):										
036N4 / 036N1	67	36	48	60	58	33	15	5	48	70
036M4 / 036M1	67	36	48	60	58	38	15	5	48	70
036V4 / 036V1	64	36	48	60	58	39	15	5	48	70
Types H216 / H220 / H226 / H233 (6 ... 8 pole):										
036N4 / 036N1	67	72	84	96	66	33	15	5	48	70
036M4 / 036M1	67	72	84	96	66	38	15	5	48	70
036V4 / 036V1	64	72	84	96	66	39	15	5	48	70
Type H263 (3 ... 4 pole):										
036N4 / 036N1	67	50	69	88	58	33	15	5	48	72
036M4 / 036M1	67	50	69	88	58	38	15	5	48	72
036V4 / 036V1	64	50	69	88	58	39	15	5	48	72



63 A / 80 A / 100 A / 125 A

Main/Emergency-Off Switch ■  
Main Switch ■

3 ... 4 pole

IP66 (front)

Four hole mounting 48 × 48 mm

Order code structure:

Ordering example: 4 pole Main/Emergency-Off Switch, 80A, N-padlock device:

Type - Switching programme - Mounting form

H408 - 41400 - 033N4

Type	Rated data (IEC 60947)			Degree of protection Terminals
	Operational current I <sub>o</sub> AC-21A (A)	Operational power (at 380–440V) AC-23A (kW) AC-3 (kW)		
H406	63	22	18.5	IP1B
H408	80	30	22	IP1B
H410	100	37	30	IP1B
H412	125	45	37	IP1B

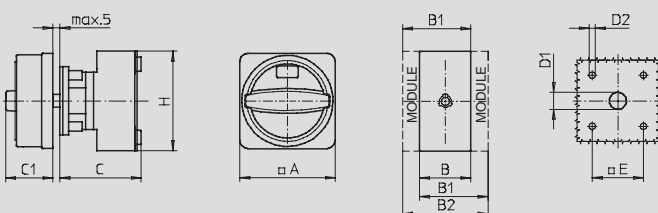
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Switching progr.	Poles	Auxiliary contacts	
		n/o	n/c
41300	3	0	0
41311	3	1	1
41320	3	2	0
41400	4	0	0
41411	4	1	1
41420	4	2	0

Switching diagrams and further switching programmes (3 ... 4 pole) page 95.

Mounting form	Operator	Main/Emergency-Off Switch	Mounting form	Operator	Main Switch
033N4	N-padlock device yellow/red	033N1	N-padlock device black		
033M4	M-padlock device yellow/red	033M1	M-padlock device black		
033V4	padlockable with V-handle yellow/red	033V1	padlockable with V-handle silver/black		

Dimensions in mm:



Mounting form	A	B	B1	B2	C	C1	D1	D2	E	H
033N4 / 033N1	88	70	89	108	73	45	15	5	48	80
033M4 / 033M1	88	70	89	108	73	50	15	5	48	80
033V4 / 033V1	64	70	89	108	73	39	15	5	48	80

## Four hole mounting 48 × 48 mm

20 A / 25 A / 32 A / 40 A / 63 A

### ON-OFF Switch

3 ... 8 pole

IP66 (front)

Four hole mounting 48 × 48 mm



#### Order code structure:

Ordering example: 6 pole ON-OFF Switch, 32A, M-handle:

Type - Switching programme - Mounting form


H226 - 41600 - 013M1

Type	Rated data (IEC 60947)			Degree of protection Terminals
	Operational current I <sub>e</sub> AC-21A (A)	Operational power (at 380–440V) AC-23A (kW) AC-3 (kW)		
H216	20	5.5	3.7	IP20
H220	25	7.5	5.5	IP20
H226	32	11	7.5	IP20
H233	40	15	11	IP20
H263	63	22	18.5	IP20

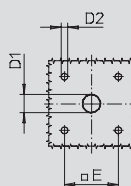
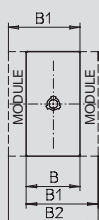
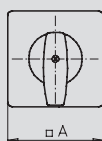
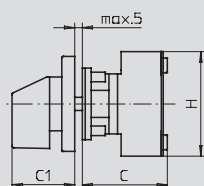
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Switching progr.	Poles	Auxiliary contacts		Switching progr.	Poles	Auxiliary contacts	
		n/o	n/c			n/o	n/c
3 ... 4 pole:				6 ... 8 pole:			
41300	3	0	0	41600	6	0	0
41311	3	1	1	41611	6	1	1
41320	3	2	0	41620	6	2	0
41400	4	0	0	41800	8	0	0
41411	4	1	1	not available for type H263			
41420	4	2	0				

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Mounting form	Operator
013M1	 M-handle silver/black

#### Dimensions in mm:



Mounting form	A	B	B1	B2	C	C1	D1	D2	E	H
Types H216 / H220 / H226 / H233 (3 ... 4 pole):										
013M1	64	36	48	60	58	39	15	5	48	70
Types H216 / H220 / H226 / H233 (6 ... 8 pole):										
013M1	64	72	84	96	66	39	15	5	48	70
Type H263 (3 ... 4 pole):										
013M1	64	50	69	88	58	39	15	5	48	72



63 A / 80 A / 100 A / 125 A

ON-OFF Switch ■

3 ... 4 pole

IP66 (front)  
Four hole mounting 48 × 48 mm

Order code structure:

Ordering example: 3 pole ON-OFF Switch, 100A, M-handle:

Type - Switching programme - Mounting form


H410 - 41300 - 003M1

Type	Rated data (IEC 60947)			Degree of protection Terminals
	Operational current I <sub>e</sub> AC-21A (A)	Operational power (at 380–440V) AC-23A (kW) AC-3 (kW)		
H406	63	22	18.5	IP1B
H408	80	30	22	IP1B
H410	100	37	30	IP1B
H412	125	45	37	IP1B

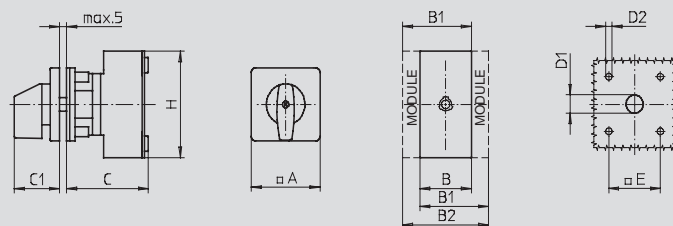
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Switching progr.	Poles	Auxiliary contacts	
		l n/o	l n/c
41300	3	0	0
41311	3	1	1
41320	3	2	0
41400	4	0	0
41411	4	1	1
41420	4	2	0

Switching diagrams and further switching programmes (3 ... 4 pole) page 95.

Mounting form	Operator
003M1	 <p>M-handle silver/black</p>

Dimensions in mm:



Mounting form	A	B	B1	B2	C	C1	D1	D2	E	H
003M1	64	70	89	108	73	39	15	5	48	80

20 A / 25 A / 32 A / 40 A

Changeover Switch

3 ... 4 pole

IP66 (front)

Four hole mounting 48 × 48 mm



Order code structure:

Ordering example: 4 pole Changeover Switch, 40A, padlockable with V-handle:

Type - Switching programme - Mounting form

H233 - 71400 - 013V1

Type	Rated data (IEC 60947)			Degree of protection Terminals
	Operational current I <sub>o</sub> AC-21A (A)	Operational power (at 380–440V) AC-23A (kW) AC-3 (kW)		
H216	20	5.5	3.7	IP20
H220	25	7.5	5.5	IP20
H226	32	11	7.5	IP20
H233	40	15	11	IP20

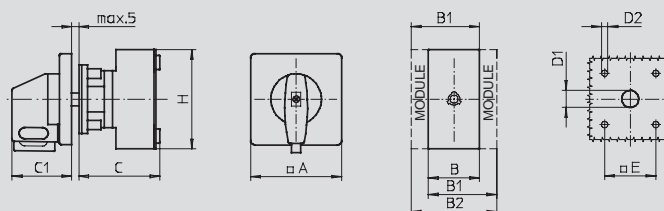
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Switching progr.	Poles 	Auxiliary contacts			
		n/o pos. 1	n/c pos. 1	n/o pos. 2	n/c pos. 2
71300	3	0	0	0	0
71311	3	1	1	1	1
71322	3	2	0	2	0
71400	4	0	0	0	0

Switching diagrams and further switching programmes (3 ... 4 pole) page 95.

Mounting form	Operator	Padlockable options
013M1	M-handle silver/black	not padlockable
013V1	padlockable with V-handle silver/black	OFF position padlockable 12h
014V1	padlockable with V-handle silver/black	3 positions padlockable (09h/12h/03h)

Dimensions in mm:



Mounting form	A	B	B1	B2	C	C1	D1	D2	E	H
013M1 / 013V1 / 014V1	64	72	84	96	66	39	15	5	48	70



63A / 80A / 100A / 125A

Changeover Switch ■

3 ... 4 pole

IP66 (front)  
Four hole mounting 48 × 48 mm

**Order code structure:**      **Type** - **Switching programme** - **Mounting form**  
 Ordering example: 4 pole Changeover Switch, 63A, padlockable with V-handle:      **H406 - 71400 - 003V1**

Type	Rated data (IEC 60947)			Degree of protection Terminals
	Operational current I <sub>e</sub> AC-21A (A)	Operational power (at 380–440V) AC-23A (kW)    AC-3 (kW)		
H406	63	22	18.5	IP1B
H408	80	30	22	IP1B
H410	100	37	30	IP1B
H412	125	45	37	IP1B

Detailed technical data page 108.

Switching progr.	Poles 	Auxiliary contacts			
		n/o pos. 1	n/c pos. 1	n/o pos. 2	n/c pos. 2
71300		0	0	0	0
71311		1	1	1	1
71322		2	0	2	0
71400		0	0	0	0

Switching diagrams and further switching programmes (3 ... 4 pole) page 95.

Mounting form	Operator	Padlockable options
003M1	M-handle silver/black	not padlockable
003V1	padlockable with V-handle silver/black	OFF position padlockable 12h
004V1	padlockable with V-handle silver/black	3 positions padlockable (09h/12h/03h)

Dimensions in mm:

Mounting form	A	B	B1	B2	C	C1	D1	D2	E	H
003M1 / 003V1 / 004V1	64	140	159	178	86	39	15	5	48	80

Four hole mounting 68 × 68 mm

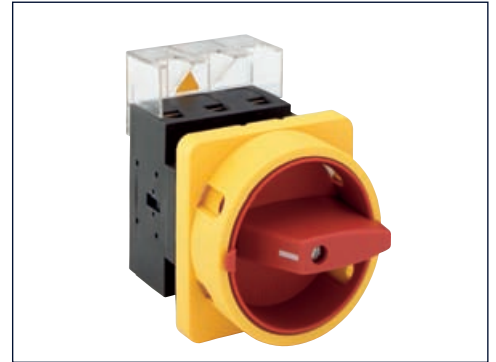
63 A / 80 A / 100 A / 125 A

- Main/Emergency-Off Switch
- Main Switch

3 ... 8 pole

IP66 (front)

Four hole front mounting 68 × 68 mm



Order code structure:

Ordering example: 8 pole Main Switch, 80A, N-padlock device:

Type - Switching programme - Mounting form  
H408 - 41800 - 036N1

Type	Rated data (IEC 60947)			Degree of protection
	Operational current I <sub>e</sub> AC-21A (A)	Operational power (at 380–440V) AC-23A (kW)	AC-3 (kW)	
H406	63	22	18.5	IP1B
H408	80	30	22	IP1B
H410	100	37	30	IP1B
H412	125	45	37	IP1B

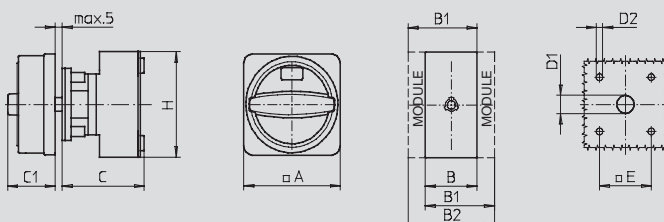
Detailed technical data page 108.

Switching progr.	Poles	Auxiliary contacts		Switching progr.	Poles	Auxiliary contacts	
		n/o	n/c			n/o	n/c
3 ... 4 pole:				6 ... 8 pole:			
41300	3	0	0	41600	6	0	0
41311	3	1	1	41611	6	1	1
41320	3	2	0	41620	6	2	0
41400	4	0	0	41800	8	0	0
41411	4	1	1				
41420	4	2	0				

Switching diagrams and further switching programmes page 95.

Mounting form	Main/Emergency-Off Switch		Mounting form	Main Switch	
	Operator			Operator	
036N4		N-padlock device yellow/red	036N1		N-padlock device black
036M4		M-padlock device yellow/red	036M1		M-padlock device black

Dimensions in mm:



Mounting form	A	B	B1	B2	C	C1	D1	D2	E	H
Types H406 / H408 / H410 / H412 (3 ... 4 pole):										
036N4 / 036N1	88	70	89	108	73	45	15	5.5	68	80
036M4 / 036M1	88	70	89	108	73	50	15	5.5	68	80
Types H406 / H408 / H410 / H412 (6 ... 8 pole):										
036N4 / 036N1	88	140	159	178	86	45	15	5.5	68	80
036M4 / 036M1	88	140	159	178	86	50	15	5.5	68	80





63A / 80A / 100A / 125A

ON-OFF Switch ■

3 ... 8 pole

IP66 (front)

Four hole mounting 68 × 68 mm

Order code structure:

Ordering example: 8 pole ON-OFF Switch, 80A, M-handle:

Type - Switching programme - Mounting form


H408 - 41800 - 013M1

Type	Rated data (IEC 60947)			Degree of protection Terminals
	Operational current I <sub>e</sub> AC-21A (A)	Operational power (at 380–440V) AC-23A (kW)	AC-3 (kW)	
H406	63	22	18.5	IP1B
H408	80	30	22	IP1B
H410	100	37	30	IP1B
H412	125	45	37	IP1B

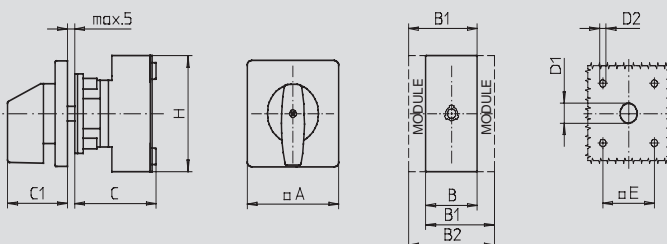
Detailed technical data page 108.

Switching progr.	Poles	Auxiliary contacts		Switching progr.	Poles	Auxiliary contacts	
		n/o	n/c			n/o	n/c
3 ... 4 pole:				6 ... 8 pole:			
41300	3	0	0	41600	6	0	0
41311	3	1	1	41611	6	1	1
41320	3	2	0	41620	6	2	0
41400	4	0	0	41800	8	0	0
41411	4	1	1				
41420	4	2	0				

Switching diagrams and further switching programmes page 95.

Mounting form	Operator
013M1	 M-handle silver/black

Dimensions in mm:



Mounting form	A	B	B1	B2	C	C1	D1	D2	E	H
Types H406 / H408 / H410 / H412 (3 ... 4 pole):										
013M1	88	70	89	108	73	52	15	5.5	68	80
Types H406 / H408 / H410 / H412 (6 ... 8 pole):										
013M1	88	140	159	178	86	52	15	5.5	68	80

Four hole mounting 68 × 68 mm

160A

■ ON-OFF Switch

3 ... 8 pole

IP55 (front)

Four hole mounting 68 × 68 mm



Order code structure:

Ordering example: 3 pole ON-OFF Switch, 160A, G-handle:

Type - Switching programme - Mounting form


K616 - 41300 - 003G1

Type	Rated data (IEC 60947)		
	Operational current I <sub>o</sub> AC-21A (A)	Operational power (at 380–440V) AC-23A (kW)	AC-3 (kW)
K616	160	75	45

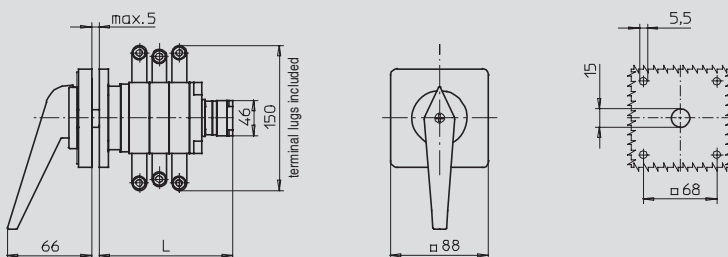
Detailed technical data page 108.

Switching progr.	Poles	Auxiliary contacts		Switching progr.	Poles	Auxiliary contacts	
		n/o	n/c			n/o	n/c
3 ... 4 pole:				6 ... 8 pole:			
41300	3	0	0	41600	6	0	0
41311	3	1	1	41611	6	1	1
41320	3	2	0	41620	6	2	0
41400	4	0	0	41800	8	0	0
41411	4	1	1				
41420	4	2	0				

Switching diagrams and further switching programmes page 95.

Mounting form	Operator
003G1	 G-handle silver/black

Dimensions in mm:



Switching programme	L
41300	104
41311	142
41320	142
41400	104
41411	142
41420	142
41600	136
41611	174
41620	174
41800	168



63A / 80A / 100A / 125A

Changeover Switch ■

3 ... 4 pole

IP66 (front)  
Four hole mounting 68 × 68 mm

Order code structure: **Type** - **Switching programme** - **Mounting form**  
Ordering example: 4 pole Changeover Switch, 125A, M-handle: **H412 - 71400 - 013M1**

Type	Rated data (IEC 60947)			Degree of protection Terminals
	Operational current I <sub>e</sub> AC-21A (A)	Operational power (at 380–440V) AC-23A (kW) AC-3 (kW)		
H406	63	22	18.5	IP1B
H408	80	30	22	IP1B
H410	100	37	30	IP1B
H412	125	45	37	IP1B

Detailed technical data page 108.

Switching progr.	Poles 	Auxiliary contacts			
		n/o pos. 1	n/c pos. 1	n/o pos. 2	n/c pos. 2
71300	3	0	0	0	0
71311	3	1	1	1	1
71322	3	2	0	2	0
71400	4	0	0	0	0

Switching diagrams and further switching programmes (3 ... 4 pole) page 95.

Mounting form	Operator
013M1	M-handle silver/black

Dimensions in mm:

Mounting form	A	B	B1	B2	C	C1	D1	D2	E	H
013M1	88	140	159	178	86	52	15	5.5	68	80

160A

Changeover Switch

3 ... 4 pole

IP55 (front)

Four hole mounting 68 × 68 mm



Order code structure:

Ordering example: 3 pole Changeover Switch, 160A, H-padlock device:

Type - Switching programme - Mounting form

K616 - 71300 - 004H1

Type	Rated data (IEC 60947)		
	Operational current I <sub>o</sub> AC-21A (A)	Operational power (at 380–440V) AC-23A (kW) AC-3 (kW)	
K616	160	75	45

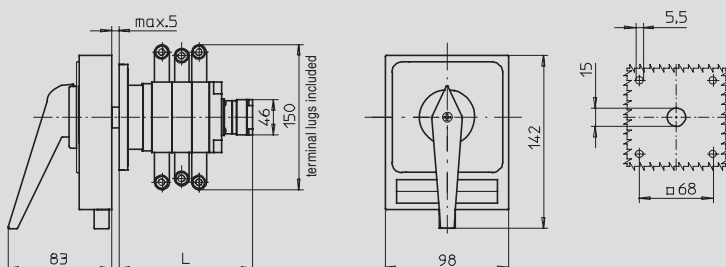
Detailed technical data page 108.

Switching progr.	Poles	Auxiliary contacts			
		n/o pos. 1	n/c pos. 1	n/o pos. 2	n/c pos. 2
71300	3	0	0	0	0
71311	3	1	1	1	1
71322	3	2	0	2	0
71400	4	0	0	0	0

Switching diagrams and further switching programmes (3 ... 4 pole) page 95.

Mounting form	Operator	Padlockable options
003H1	H-padlock device silver/black	OFF position padlockable 12h
004H1	H-padlock device silver/black	3 positions padlockable (09h/12h/03h)

Dimensions in mm:



Switching programme	L
71300	136
71311	184
71322	184
71400	168



315A

ON-OFF Switch ■

3 ... 8 pole

IP55 (front)

Four hole mounting 104 × 104 mm

Order code structure:

Ordering example: 3 pole ON-OFF Switch, 315A, G-handle:

Type - Switching programme - Mounting form


K830 - 41300 - 003G1

Type	Rated data (IEC 60947)		
	Operational current I <sub>o</sub> AC-21A (A)	Operational power (at 380–440V) AC-23A (kW) AC-3 (kW)	
K830	315	132	55

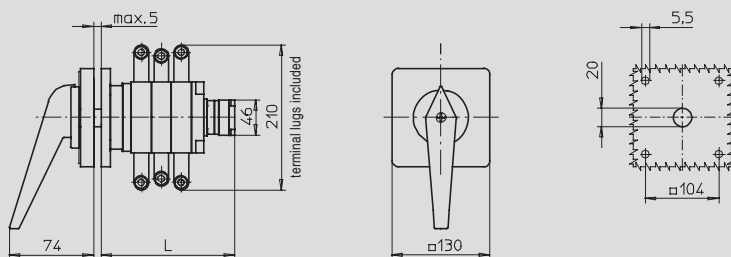
Detailed technical data page 108.

Switching progr.	Poles	Auxiliary contacts		Switching progr.	Poles	Auxiliary contacts	
		n/o	n/c			n/o	n/c
3 ... 4 pole:				6 ... 8 pole:			
41300	3	0	0	41600	6	0	0
41311	3	1	1	41611	6	1	1
41320	3	2	0	41620	6	2	0
41400	4	0	0	41800	8	0	0
41411	4	1	1				
41420	4	2	0				

Switching diagrams and further switching programmes page 95.

Mounting form	Operator
003G1	 G-handle silver/black

Dimensions in mm:



Switching programme	L
41300	125
41311	163
41320	163
41400	125
41411	163
41420	163
41600	161
41611	199
41620	199
41800	197

Four hole mounting 104 × 104 mm

315A

Changeover Switch

3 ... 4 pole

IP55 (front)

Four hole mounting 104 × 104 mm



Order code structure: **Type** - **Switching programme** - **Mounting form**  
 Ordering example: 3 pole Changeover Switch, 315A, H-padlock device: **K830 - 71300 - 004H1**

Type	Rated data (IEC 60947)		
	Operational current I <sub>e</sub> AC-21A (A)	Operational power (at 380–440V) AC-23A (kW) AC-3 (kW)	
K830	315	132	55

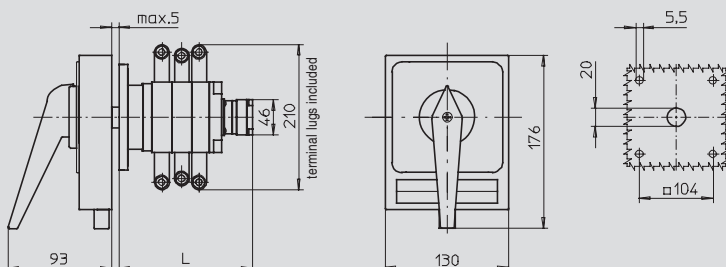
Detailed technical data page 108.

Switching progr.	Poles	Auxiliary contacts			
		n/o pos. 1	n/c pos. 1	n/o pos. 2	n/c pos. 2
71300	3	0	0	0	0
71311	3	1	1	1	1
71322	3	2	0	2	0
71400	4	0	0	0	0

Switching diagrams and further switching programmes (3 ... 4 pole) page 95.

Mounting form	Operator	Padlockable options
003H1	H-padlock device silver/black	OFF position padlockable 12h
004H1	H-padlock device silver/black	3 positions padlockable (09h/12h/03h)

Dimensions in mm:



Switching programme	L
71300	161
71311	209
71322	209
71400	197



20 A / 25 A / 32 A / 40 A / 63 A

Main/Emergency-Off Switch ■  
Main Switch ■

3 ... 4 pole

IP66 (front)  
Single hole mounting  $\varnothing$  22.5 mm

Order code structure:

Ordering example: 4 pole Main/Emergency-Off Switch, 20A, N-padlock device:

Type - Switching programme - Mounting form  
H216 - 41400 - 206N4

Type	Rated data (IEC 60947)			Degree of protection Terminals
	Operational current I <sub>o</sub> AC-21A (A)	Operational power (at 380–440V) AC-23A (kW) AC-3 (kW)		
H216	20	5.5	3.7	IP20
H220	25	7.5	5.5	IP20
H226	32	11	7.5	IP20
H233	40	15	11	IP20
H263	63	22	18.5	IP20

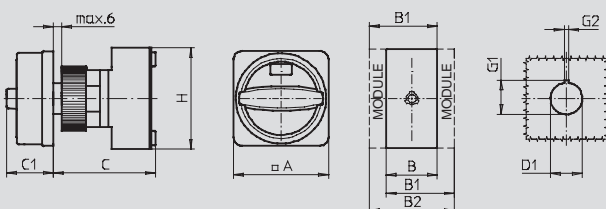
Detailed technical data page 108.

Switching progr.	Poles	Auxiliary contacts	
		n/o	n/c
41300	3	0	0
41311	3	1	1
41320	3	2	0
41400	4	0	0
41411	4	1	1
41420	4	2	0

Switching diagrams and further switching programmes (3 ... 4 pole) page 95.

Mounting form	Operator	Main/Emergency-Off Switch	Mounting form	Operator	Main Switch
206N4		N-padlock device yellow/red	206N1		N-padlock device black
206M4		M-padlock device yellow/red	206M1		M-padlock device black
206V4		padlockable with V-handle yellow/red	206V1		padlockable with V-handle silver/black

Dimensions in mm:



Mounting form	A	B	B1	B2	C	C1	D1	G1	G2	H
Types H216 / H220 / H226 / H233:										
206N4 / 206N1	67	36	48	60	75	33	22.5	24.2	3.2	70
206M4 / 206M1	67	36	48	60	75	38	22.5	24.2	3.2	70
206V4 / 206V1	48	36	48	60	75	32	22.5	24.2	3.2	70
Type H263:										
206N4 / 206N1	67	50	69	88	75	33	22.5	24.2	3.2	72
206M4 / 206M1	67	50	69	88	75	38	22.5	24.2	3.2	72
206V4 / 206V1	48	50	69	88	75	32	22.5	24.2	3.2	72

Single hole mounting  $\varnothing$  22.5 mm

20 A / 25 A / 32 A / 40 A / 63 A

- Main/Emergency-Off Switch
- Main Switch

3 ... 8 pole

IP66 (front)

Single hole mounting  $\varnothing$  22.5 mm



Order code structure:

Ordering example: 8 pole Main/Emergency-Off Switch, 40A, padlockable with V-handle:

Type - Switching programme - Mounting form

H233 - 41800 - 226V4

Type	Rated data (IEC 60947)			Degree of protection Terminals
	Operational current $I_e$ AC-21A (A)	Operational power (at 380–440V) AC-23A (kW) AC-3 (kW)		
H216	20	5.5	3.7	IP20
H220	25	7.5	5.5	IP20
H226	32	11	7.5	IP20
H233	40	15	11	IP20
H263	63	22	18.5	IP20

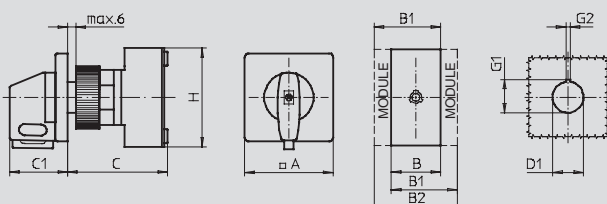
Detailed technical data page 108.

Switching progr.	Poles	Auxiliary contacts		Switching progr.	Poles	Auxiliary contacts	
		n/o	n/c			n/o	n/c
3 ... 4 pole:				6 ... 8 pole:			
41300	3	0	0	41600	6	0	0
41311	3	1	1	41611	6	1	1
41320	3	2	0	41620	6	2	0
41400	4	0	0	41800	8	0	0
41411	4	1	1	not available for type H263			
41420	4	2	0				

Switching diagrams and further switching programmes page 95.

Mounting form	Operator	Main/Emergency-Off Switch	Mounting form	Operator	Main Switch
226V4		padlockable with V-handle yellow/red	226V1		padlockable with V-handle silver/black

Dimensions in mm:



Mounting form	A	B	B1	B2	C	C1	D1	G1	G2	H
Types H216 / H220 / H226 / H233 (3 ... 4 pole):										
226V4 / 226V1	64	36	48	60	75	39	22.5	24.2	3.2	70
Types H216 / H220 / H226 / H233 (6 ... 8 pole):										
226V4 / 226V1	64	72	84	96	83	39	22.5	24.2	3.2	70
Type H263 (3 ... 4 pole):										
226V4 / 226V1	64	50	69	88	75	39	22.5	24.2	3.2	72





20 A / 25 A / 32 A / 40 A / 63 A

ON-OFF Switch ■

3 ... 4 pole

IP66 (front)

Single hole mounting Ø 22.5 mm

Order code structure:

Ordering example: 3 pole ON-OFF Switch, 20A, M-handle:

Type - Switching programme - Mounting form

H216 - 41300 - 219M1

Type	Rated data (IEC 60947)			Degree of protection Terminals
	Operational current I <sub>o</sub> AC-21A (A)	Operational power (at 380–440V) AC-23A (kW) AC-3 (kW)		
H216	20	5.5	3.7	IP20
H220	25	7.5	5.5	IP20
H226	32	11	7.5	IP20
H233	40	15	11	IP20
H263	63	22	18.5	IP20

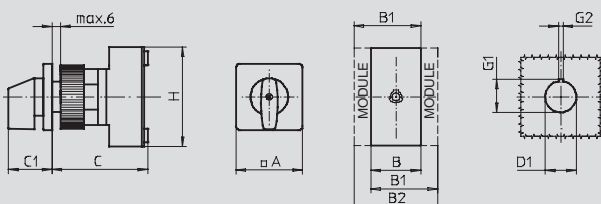
Detailed technical data page 108.

Switching progr.	Poles	Auxiliary contacts	
		l n/o	l n/c
41300	3	0	0
41311	3	1	1
41320	3	2	0
41400	4	0	0
41411	4	1	1
41420	4	2	0

Switching diagrams and further switching programmes (3 ... 4 pole) page 95.

Mounting form	Operator
219M1	 M-handle silver/black

Dimensions in mm:



Mounting form	A	B	B1	B2	C	C1	D1	G1	G2	H
Types H216 / H220 / H226 / H233: 219M1	48	36	48	60	75	32	22.5	24.2	3.2	70
Type H263: 219M1	48	50	69	88	75	32	22.5	24.2	3.2	72

20A / 25A / 32A / 40A / 63A

■ ON-OFF Switch

3 ... 8 pole

IP66 (front)

Single hole mounting Ø 22.5 mm



Order code structure:

Ordering example: 4 pole ON-OFF Switch, 40A, M-handle:

Type - Switching programme - Mounting form


H233 - 41400 - 214M1

Type	Rated data (IEC 60947)			Degree of protection Terminals
	Operational current I <sub>e</sub> AC-21A (A)	Operational power (at 380–440V) AC-23A (kW) AC-3 (kW)		
H216	20	5.5	3.7	IP20
H220	25	7.5	5.5	IP20
H226	32	11	7.5	IP20
H233	40	15	11	IP20
H263	63	22	18.5	IP20

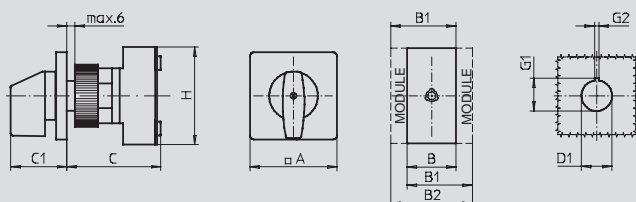
Detailed technical data page 108.

Switching progr.	Poles	Auxiliary contacts		Switching progr.	Poles	Auxiliary contacts	
		n/o	n/c			n/o	n/c
3 ... 4 pole:				6 ... 8 pole:			
41300	3	0	0	41600	6	0	0
41311	3	1	1	41611	6	1	1
41320	3	2	0	41620	6	2	0
41400	4	0	0	41800	8	0	0
41411	4	1	1	not available for type H263			
41420	4	2	0				

Switching diagrams and further switching programmes page 95.

Mounting form	Operator
214M1	 M-handle silver/black

Dimensions in mm:



Mounting form	A	B	B1	B2	C	C1	D1	G1	G2	H
Types H216 / H220 / H226 / H233 (3 ... 4 pole):										
214M1	64	36	48	60	75	39	22.5	24.2	3.2	70
Types H216 / H220 / H226 / H233 (6 ... 8 pole):										
214M1	64	72	84	96	83	39	22.5	24.2	3.2	70
Type H263 (3 ... 4 pole):										
214M1	64	50	69	88	75	39	22.5	24.2	3.2	72

20 A / 25 A / 32 A / 40 A

Changeover Switch ■

3 ... 4 pole

IP66 (front)

Single hole mounting  $\varnothing$  22.5 mm



Order code structure:

Ordering example: 3 pole Changeover Switch, 32A, padlockable with V-handle:

Type - Switching programme - Mounting form

H226 - 71300 - 214V1

Type	Rated data (IEC 60947)			Degree of protection Terminals
	Operational current $I_e$ AC-21A (A)	Operational power (at 380–440V) AC-23A (kW) AC-3 (kW)		
H216	20	5.5	3.7	IP20
H220	25	7.5	5.5	IP20
H226	32	11	7.5	IP20
H233	40	15	11	IP20

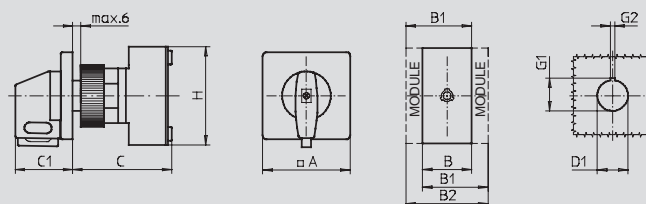
Detailed technical data page 108.

Switching progr.	Poles 	Auxiliary contacts			
		n/o pos. 1	n/c pos. 1	n/o pos. 2	n/c pos. 2
71300	3	0	0	0	0
71311	3	1	1	1	1
71322	3	2	0	2	0
71400	4	0	0	0	0

Switching diagrams and further switching programmes (3 ... 4 pole) page 95.

Mounting form	Operator	Padlockable options
214M1	M-handle silver/black	not padlockable
214V1	padlockable with V-handle silver/black	OFF position padlockable 12h
213V1	padlockable with V-handle silver/black	3 positions padlockable (09h/12h/03h)

Dimensions in mm:



Mounting form	A	B	B1	B2	C	C1	D1	G1	G2	H
214M1 / 214V1 / 213V1	64	72	84	96	83	39	22.5	24.2	3.2	70

Snap on mounting

DIN Rail

20A / 25A / 32A / 40A / 63A

- Main/Emergency-Off Switch
- Main Switch

3 ... 8 pole

IP30 (front)

Installation mounting for 45 mm aperture in Panel/Distribution boards



Order code structure:

Ordering example: 4 pole Main/Emergency-Off Switch, 40A, padlockable with V-handle:

Type - Switching programme - Mounting form





H233 - 41400 - 026V4

Type	Rated data (IEC 60947)			Degree of protection Terminals
	Operational current I <sub>e</sub> AC-21A (A)	Operational power (at 380–440V) AC-23A (kW) AC-3 (kW)		
H216	20	5.5	3.7	IP20
H220	25	7.5	5.5	IP20
H226	32	11	7.5	IP20
H233	40	15	11	IP20
H263	63	22	18.5	IP20

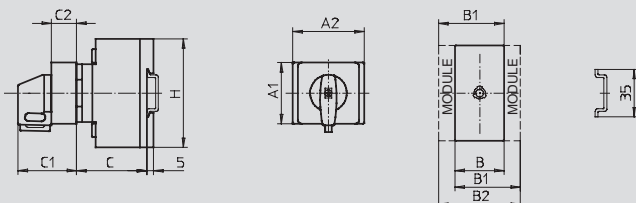
Detailed technical data page 108.

Switching progr.	Poles	Auxiliary contacts		Switching progr.	Poles	Auxiliary contacts	
		n/o	n/c			n/o	n/c
3 ... 4 pole:				6 ... 8 pole:			
41300	3	0	0	41600	6	0	0
41311	3	1	1	41611	6	1	1
41320	3	2	0	41620	6	2	0
41400	4	0	0	41800	8	0	0
41411	4	1	1	not available for type H263			
41420	4	2	0				

Switching diagrams and further switching programmes page 95.

Mounting form	Operator	Main/Emergency-Off Switch	Mounting form	Operator	Main Switch
026V4	 	padlockable with V-handle yellow/red	026V1	 	padlockable with V-handle silver/black

Dimensions in mm:



Mounting form	A1	A2	B	B1	B2	C	C1	C2	H
Types H216 / H220 / H226 / H233 (3 ... 4 pole):									
026V4 / 026V1	45	48	36	48	60	38	45	18.5	70
Types H216 / H220 / H226 / H233 (6 ... 8 pole):									
026V4 / 026V1	45	76	72	84	96	40	51.5	25.5	70
Type H263 (3 ... 4 pole):									
026V4 / 026V1	45	52.5	50	69	88	38	45	18.5	72

63 A / 80 A / 100 A / 125 A

Main/Emergency-Off Switch ■  
Main Switch ■

3 ... 8 pole

IP30 (front)

Installation mounting for 45 mm aperture in Panel/Distribution boards



Order code structure:

Ordering example: 6 pole Main Switch, 125A, padlockable with V-handle:

Type - Switching programme - Mounting form

H412 - 41600 - 126V1

Type	Rated data (IEC 60947)			Degree of protection
	Operational current I <sub>e</sub> AC-21A (A)	Operational power (at 380–440V) AC-23A (kW) AC-3 (kW)		
H406	63	22	18.5	IP1B
H408	80	30	22	IP1B
H410	100	37	30	IP1B
H412	125	45	37	IP1B

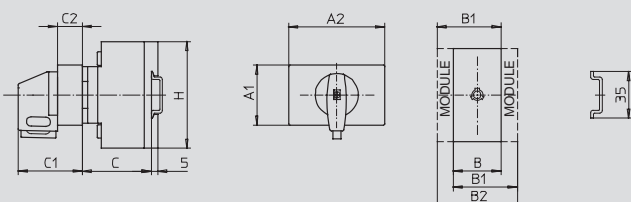
Detailed technical data page 108.

Switching progr.	Poles	Auxiliary contacts		Switching progr.	Poles	Auxiliary contacts	
		n/o	n/c			n/o	n/c
3 ... 4 pole:				6 ... 8 pole:			
41300	3	0	0	41600	6	0	0
41311	3	1	1	41611	6	1	1
41320	3	2	0	41620	6	2	0
41400	4	0	0	41800	8	0	0
41411	4	1	1				
41420	4	2	0				

Switching diagrams and further switching programmes page 95.

Mounting form	Operator	Main/Emergency-Off Switch	Mounting form	Operator	Main Switch
126V4		padlockable with V-handle yellow/red	126V1		padlockable with V-handle grey/black

Dimensions in mm:



Mounting form	A1	A2	B	B1	B2	C	C1	C2	H
Types H406 / H408 / H410 / H412 (3 ... 4 pole):									
126V4 / 126V1	45	72	70	89	108	55	48	16	80
Types H406 / H408 / H410 / H412 (6 ... 8 pole):									
126V4 / 126V1	45	72	140	159	178	67	48	16	80

## Snap on mounting

### DIN Rail

20A / 25A / 32A / 40A / 63A

## ON-OFF Switch

3 ... 8 pole

IP30 (front)

Installation mounting for 45 mm aperture in Panel/Distribution boards



### Order code structure:

Ordering example: 4 pole ON-OFF Switch, 63A, N-handle:

Type - Switching programme - Mounting form



H263 - 41400 - 026N2

Type	Rated data (IEC 60947)			Degree of protection Terminals
	Operational current I <sub>e</sub> AC-21A (A)	Operational power (at 380–440V) AC-23A (kW) AC-3 (kW)		
H216	20	5.5	3.7	IP20
H220	25	7.5	5.5	IP20
H226	32	11	7.5	IP20
H233	40	15	11	IP20
H263	63	22	18.5	IP20

Detailed technical data page 108.

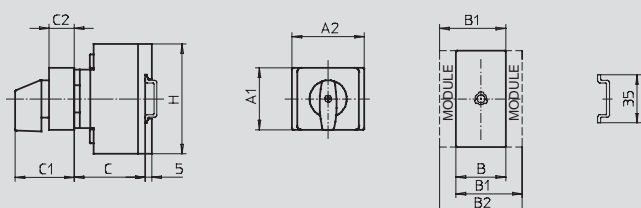
Switching progr.	Poles	Auxiliary contacts		Switching progr.	Poles	Auxiliary contacts	
		n/o	n/c			n/o	n/c
3 ... 4 pole:				6 ... 8 pole:			
41300	3	0	0	41600	6	0	0
41311	3	1	1	41611	6	1	1
41320	3	2	0	41620	6	2	0
41400	4	0	0	41800	8	0	0
41411	4	1	1	not available for type H263			
41420	4	2	0				

Switching diagrams and further switching programmes page 95.

Mounting form	Operator
026N2 *	 N-handle silver/grey
026M1	 M-handle silver/black

\* for 3 ... 4 pole switching programmes only

Dimensions in mm:



Mounting form	A1	A2	B	B1	B2	C	C1	C2	H
Types H216 / H220 / H226 / H233 (3 ... 4 pole):									
026M1	45	48	36	48	60	38	45	18.5	70
026N2	45	48	36	48	60	38	40	18.5	70
Types H216 / H220 / H226 / H233 (6 ... 8 pole):									
026M1	45	76	72	84	96	40	51.5	25.5	70
Type H263 (3 ... 4 pole):									
026M1	45	52.5	50	69	88	38	45	18.5	72
026N2	45	52.5	50	69	88	38	40	18.5	72

63 A / 80 A / 100 A / 125 A

ON-OFF Switch ■

3 ... 8 pole

IP30 (front)

Installation mounting for 45 mm aperture in Panel/Distribution boards



**Order code structure:**

Ordering example: 8 pole ON-OFF Switch, 100A, M-handle:

Type - Switching programme - Mounting form


H410 - 41800 - 126M1

Type	Rated data (IEC 60947)			Degree of protection
	Operational current $I_e$ AC-21A (A)	Operational power (at 380–440V) AC-23A (kW) AC-3 (kW)		
H406	63	22	18.5	IP1B
H408	80	30	22	IP1B
H410	100	37	30	IP1B
H412	125	45	37	IP1B

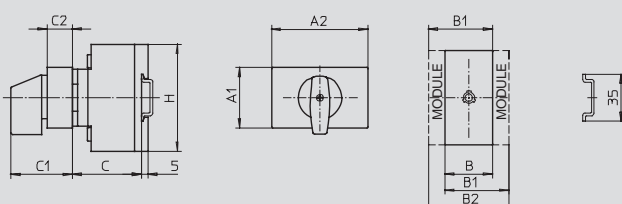
Detailed technical data page 108.

Switching progr.	Poles	Auxiliary contacts		Switching progr.	Poles	Auxiliary contacts	
		n/o	n/c			n/o	n/c
3 ... 4 pole:				6 ... 8 pole:			
41300	3	0	0	41600	6	0	0
41311	3	1	1	41611	6	1	1
41320	3	2	0	41620	6	2	0
41400	4	0	0	41800	8	0	0
41411	4	1	1				
41420	4	2	0				

Switching diagrams and further switching programmes page 95.

Mounting form	Operator
126M1	 M-handle grey/black

**Dimensions in mm:**



Mounting form	A1	A2	B	B1	B2	C	C1	C2	H
Types H406 / H408 / H410 / H412 (3 ... 4 pole):									
126M1	45	72	70	89	108	55	48	16	80
Types H406 / H408 / H410 / H412 (6 ... 8 pole):									
126M1	45	72	140	159	178	67	48	16	80

## Snap on mounting

### DIN Rail

20A / 25A / 32A / 40A

## Changeover Switch

3 ... 4 pole

IP30 (front)

Installation mounting for 45 mm aperture in Panel/Distribution boards



Order code structure:

Ordering example: 4 pole changeover, 25A, padlockable with V-handle:

Type - Switching programme - Mounting form

H220 - 71400 - 028V1

Type	Rated data (IEC 60947)			Degree of protection Terminals
	Operational current I <sub>e</sub> AC-21A (A)	Operational power (at 380–440V) AC-23A (kW) AC-3 (kW)		
H216	20	5.5	3.7	IP20
H220	25	7.5	5.5	IP20
H226	32	11	7.5	IP20
H233	40	15	11	IP20

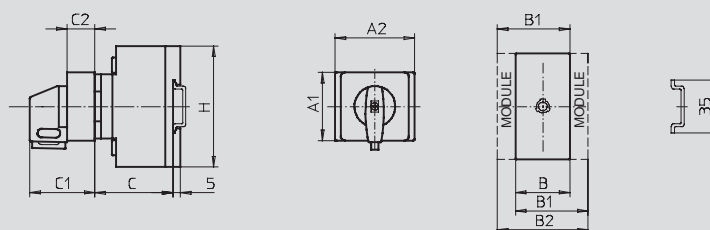
Detailed technical data page 108.

Switching progr.	Poles 	Auxiliary contacts			
		n/o pos. 1	n/c pos. 1	n/o pos. 2	n/c pos. 2
71300	3	0	0	0	0
71311	3	1	1	1	1
71322	3	2	0	2	0
71400	4	0	0	0	0

Switching diagrams and further switching programmes (3 ... 4 pole) page 95.

Mounting form	Operator	Padlockable options
026M1	M-handle silver/black	not padlockable
028V1	padlockable with V-handle silver/black	OFF position padlockable 12h
027V1	padlockable with V-handle silver/black	3 positions padlockable (09h/12h/03h)

Dimensions in mm:



Mounting form	A1	A2	B	B1	B2	C	C1	C2	H
026M1 / 028V1 / 027V1	45	76	72	84	96	40	51.5	25.5	70



63A / 80A / 100A / 125A

Changeover Switch ■

3 ... 4 pole

IP30 (front)

Installation mounting for 45 mm aperture in Panel/Distribution boards



Order code structure:

Ordering example: 4 pole changeover, 63A, padlockable with V-handle:

Type - Switching programme - Mounting form

H406 - 71400 - 128V1

Type	Rated data (IEC 60947)			Degree of protection Terminals
	Operational current I <sub>e</sub> AC-21A (A)	Operational power (at 380–440V) AC-23A (kW) AC-3 (kW)		
H406	63	22	18.5	IP1B
H408	80	30	22	IP1B
H410	100	37	30	IP1B
H412	125	45	37	IP1B

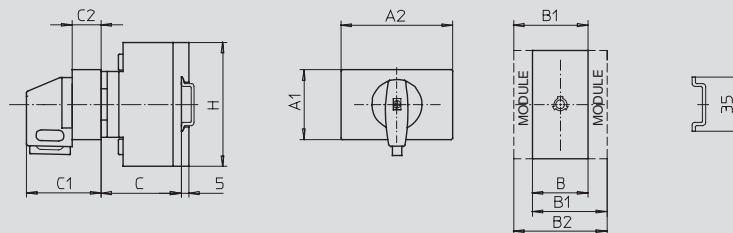
Detailed technical data page 108.

Switching progr.	Poles 	Auxiliary contacts			
		n/o pos. 1	n/c pos. 1	n/o pos. 2	n/c pos. 2
71300	3	0	0	0	0
71311	3	1	1	1	1
71322	3	2	0	2	0
71400	4	0	0	0	0

Switching diagrams and further switching programmes (3 ... 4 pole) page 95.

Mounting form	Operator	Padlockable options
126M1	M-handle grey/black	not padlockable
128V1	padlockable with V-handle grey/black	OFF position padlockable 12h
127V1	padlockable with V-handle grey/black	3 positions padlockable (09h/12h/03h)

Dimensions in mm:



Mounting form	A1	A2	B	B1	B2	C	C1	C2	H
126M1 / 128V1 / 127V1	45	72	140	159	178	67	48	16	80

20A / 25A / 32A / 40A / 63A

- Main/Emergency-Off Switch
- Main Switch

3 ... 8 pole

IP66 (front)

Four hole front mounting 36 x 36 mm



Order code structure:

Ordering example: 3 pole Main/Emergency-Off Switch, 40A, M-padlock device:

Type - Switching programme - Mounting form

H233 - 41300 - 234M4

Type	Rated data (IEC 60947)			Degree of protection
	Operational current I <sub>e</sub> AC-21A (A)	Operational power (at 380–440V) AC-23A (kW) AC-3 (kW)		Terminals
H216	20	5.5	3.7	IP20
H220	25	7.5	5.5	IP20
H226	32	11	7.5	IP20
H233	40	15	11	IP20
H263	63	22	18.5	IP20

Detailed technical data page 108.

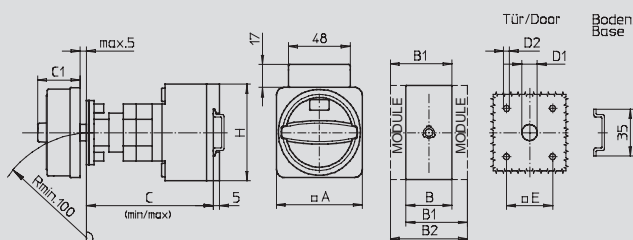
Switching progr.	Poles	Auxiliary contacts		Switching progr.	Poles	Auxiliary contacts	
		n/o	n/c			n/o	n/c
3 ... 4 pole:				6 ... 8 pole:			
41300	3	0	0	41600	6	0	0
41311	3	1	1	41611	6	1	1
41320	3	2	0	41620	6	2	0
41400	4	0	0	41800	8	0	0
41411	4	1	1	not available for type H263			
41420	4	2	0				

Switching diagrams and further switching programmes (3 ... 4 pole) page 95.

Mounting form	Operator	Main/Emergency-Off Switch	Mounting form	Operator	Main Switch
234N4		N-padlock device yellow/red	234N1		N-padlock device black
234M4		M-padlock device yellow/red	234M1		M-padlock device black
234V4 *		padlockable with V-handle yellow/red	234V1 *		padlockable with V-handle silver/black

\*for 3 ... 4 pole switching programmes only

Dimensions in mm:



Modular shaft extensions see page 102.

Mounting form	A	B	B1	B2	C <sub>min</sub>	C <sub>max</sub>	C1	D1	D2	E	H
Types H216 / H220 / H226 / H233 (3 ... 4 pole):											
234N4 / 234N1	67	36	48	60	92	107	33	15	4.5	36	70
234M4 / 234M1	67	36	48	60	92	107	38	15	4.5	36	70
234V4 / 234V1	48	36	48	60	92	107	32	12	4.5	36	70
Types H216 / H220 / H226 / H233 (6 ... 8 pole):											
234N4 / 234N1	67	72	84	96	100	115	33	15	4.5	36	70
234M4 / 234M1	67	72	84	96	100	115	38	15	4.5	36	70
Type H263 (3 ... 4 pole):											
234N4 / 234N1	67	50	69	88	92	107	33	15	4.5	36	72
234M4 / 234M1	67	50	69	88	92	107	38	15	4.5	36	72
234V4 / 234V1	48	50	69	88	92	107	32	12	4.5	36	72

Door interlock with modular shaft extension

With N/PE connection link

20 A / 25 A / 32 A / 40 A / 63 A

Main/Emergency-Off Switch ■  
Main Switch ■

3 ... 8 pole

IP66 (front)

Four hole front mounting 36 x 36 mm



Order code structure:

Ordering example: 8 pole Main Switch, 32A, N-padlock device:

Type - Switching programme - Mounting form

H226 - 41800 - 534N1

Type	Rated data (IEC 60947)			Degree of protection Terminals
	Operational current I <sub>e</sub> AC-21A (A)	Operational power (at 380–440V) AC-23A (kW) AC-3 (kW)		
H216	20	5.5	3.7	IP20
H220	25	7.5	5.5	IP20
H226	32	11	7.5	IP20
H233	40	15	11	IP20
H263	63	22	18.5	IP20

Detailed technical data page 108.

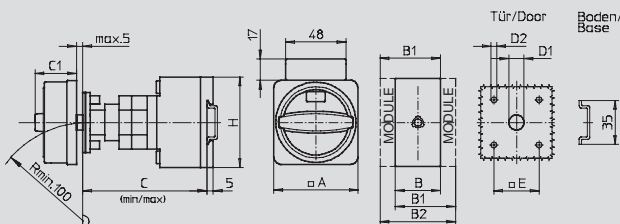
Switching progr.	Poles	Auxiliary contacts		Switching progr.	Poles	Auxiliary contacts	
		n/o	n/c			n/o	n/c
3 ... 4 pole:				6 ... 8 pole:			
41300	3	0	0	41600	6	0	0
41311	3	1	1	41611	6	1	1
41320	3	2	0	41620	6	2	0
41400	4	0	0	41800	8	0	0
41411	4	1	1	not available for type H263			
41420	4	2	0	not available for types H216, H220, H226, H233			

Switching diagrams and further switching programmes page 95.

Mounting form	Operator	Main/Emergency-Off Switch	Mounting form	Operator	Main Switch
534N4		N-padlock device yellow/red	534N1		N-padlock device black
534M4		M-padlock device yellow/red	534M1		M-padlock device black
534V4 *		padlockable with V-handle yellow/red	534V1 *		padlockable with V-handle silver/black

\*for 3 ... 4 pole switching programmes only

Dimensions in mm:



Mounting form	A	B	B1	B2	C <sub>min</sub>	C <sub>max</sub>	C1	D1	D2	E	H
Types H216 / H220 / H226 / H233 (6 ... 8 pole):											
534N4 / 534N1	67	72	84	96	100	115	33	15	4.5	36	70
534M4 / 534M1	67	72	84	96	100	115	38	15	4.5	36	70
Type H263 (3 ... 4 pole):											
534N4 / 534N1	67	50	69	88	92	107	33	15	4.5	36	72
534M4 / 534M1	67	50	69	88	92	107	38	15	4.5	36	72
534V4 / 534V1	48	50	69	88	92	107	32	12	4.5	36	72

Modular shaft extensions see page 102.

63A / 80A / 100A / 125A

- Main/Emergency-Off Switch
- Main Switch

3 ... 8 pole

IP66 (front)

Four hole front mounting 48 x 48 mm



Order code structure: **Type** - **Switching programme** - **Mounting form**  
 Ordering example: 6 pole Main Switch, 80A, padlockable with V-handle: **H408 - 41600 - 234V1**

Type	Rated data (IEC 60947)			Degree of protection
	Operational current I <sub>e</sub> AC-21A (A)	Operational power (at 380–440V) AC-23A (kW) AC-3 (kW)		
H406	63	22	18.5	IP1B
H408	80	30	22	IP1B
H410	100	37	30	IP1B
H412	125	45	37	IP1B

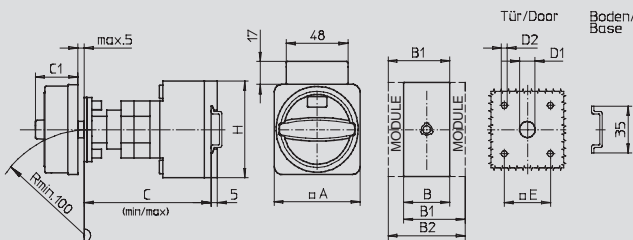
Detailed technical data page 108.

Switching progr.	Poles	Auxiliary contacts		Switching progr.	Poles	Auxiliary contacts	
		n/o	n/c			n/o	n/c
3 ... 4 pole:				6 ... 8 pole:			
41300	3	0	0	41600	6	0	0
41311	3	1	1	41611	6	1	1
41320	3	2	0	41620	6	2	0
41400	4	0	0	41800	8	0	0
41411	4	1	1				
41420	4	2	0				

Switching diagrams and further switching programmes page 95.

Mounting form	Operator	Main/Emergency-Off Switch	Mounting form	Operator	Main Switch
234N4		N-padlock device yellow/red	234N1		N-padlock device black
234M4		M-padlock device yellow/red	234M1		M-padlock device black
234V4		padlockable with V-handle yellow/red	234V1		padlockable with V-handle silver/black

Dimensions in mm:



Modular shaft extensions see page 102.

Mounting form	A	B	B1	B2	C <sub>min</sub>	C <sub>max</sub>	C1	D1	D2	E	H
Types H406 / H408 / H410 / H412 (3 ... 4 pole):											
234N4 / 234N1	88	70	89	108	102	117	45	15	5	48	80
234M4 / 234M1	88	70	89	108	102	117	50	15	5	48	80
234V4 / 234V1	64	70	89	108	102	117	40	15	5	48	80
Types H406 / H408 / H410 / H412 (6 ... 8 pole):											
234N4 / 234N1	88	140	159	178	115	130	45	15	5	48	80
234M4 / 234M1	88	140	159	178	115	130	50	15	5	48	80
234V4 / 234V1	64	140	159	178	115	130	40	15	5	48	80

20 A / 25 A / 32 A / 40 A

Changeover Switch ■

3 ... 4 pole

IP66 (front)

Four hole front mounting 48 x 48 mm



Order code structure:

Ordering example: 4 pole changeover, 40A, padlockable with V-handle:

Type - Switching programme - Mounting form

H233 - 71400 - 249V1

Type	Rated data (IEC 60947)			Degree of protection Terminals
	Operational current I <sub>e</sub> AC-21A (A)	Operational power (at 380–440V) AC-23A (kW) AC-3 (kW)		
H216	20	5.5	3.7	IP20
H220	25	7.5	5.5	IP20
H226	32	11	7.5	IP20
H233	40	15	11	IP20

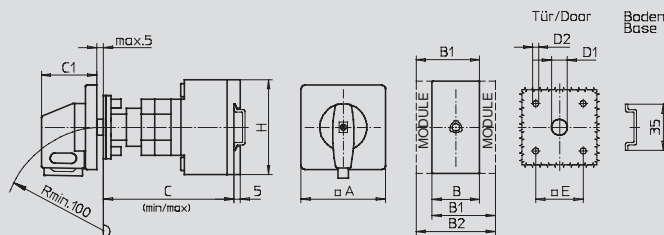
Detailed technical data page 108.

Switching progr.	Poles	Auxiliary contacts			
		n/o pos. 1	n/c pos. 1	n/o pos. 2	n/c pos. 2
71300	3	0	0	0	0
71311	3	1	1	1	1
71322	3	2	0	2	0
71400	4	0	0	0	0

Switching diagrams and further switching programmes (3 ... 4 pole) page 95.

Mounting form	Operator	Padlockable options
248M1	M-handle silver/black	not padlockable
248V1	padlockable with V-handle silver/black	OFF position padlockable 12h
249V1	padlockable with V-handle silver/black	3 positions padlockable (09h/12h/03h)

Dimensions in mm:



Modular shaft extensions  
see page 102.

Mounting form	A	B	B1	B2	C <sub>min</sub>	C <sub>max</sub>	C1	D1	D2	E	H
248M1 / 248V1 / 249V1	64	72	84	96	100	115	39	15	5	48	70

63A / 80A / 100A / 125A

Changeover Switch

3 ... 4 pole

IP66 (front)

Four hole front mounting 48 x 48 mm



Order code structure:

Ordering example: 3 pole changeover, 125A, padlockable with V-handle:

Type - Switching programme - Mounting form

H412 - 71300 - 242V1

Type	Rated data (IEC 60947)			Degree of protection Terminals
	Operational current I <sub>e</sub> AC-21A (A)	Operational power (at 380–440V) AC-23A (kW) AC-3 (kW)		
H406	63	22	18.5	IP1B
H408	80	30	22	IP1B
H410	100	37	30	IP1B
H412	125	45	37	IP1B

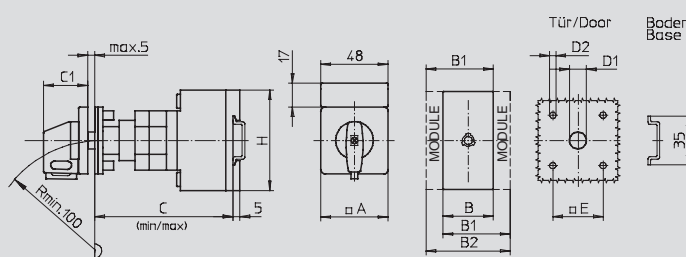
Detailed technical data page 108.

Switching progr.	Poles 	Auxiliary contacts			
		n/o pos. 1	n/c pos. 1	n/o pos. 2	n/c pos. 2
71300	3	0	0	0	0
71311	3	1	1	1	1
71322	3	2	0	2	0
71400	4	0	0	0	0

Switching diagrams and further switching programmes (3 ... 4 pole) page 95.

Mounting form	Operator	Padlockable options
242M1	M-handle silver/black	not padlockable
242V1	padlockable with V-handle silver/black	OFF position padlockable 12h
243V1	padlockable with V-handle silver/black	3 positions padlockable (09h/12h/03h)

Dimensions in mm:



Modular shaft extensions see page 102.

Mounting form	A	B	B1	B2	C <sub>min</sub>	C <sub>max</sub>	C1	D1	D2	E	H
242M1 / 242V1 / 243V1	64	140	159	178	115	130	40	15	5	48	80

Door interlock with metal shaft extension

Single hole front mounting

20 A / 25 A / 32 A / 40 A / 63 A

Main/Emergency-Off Switch ■  
Main Switch ■

3 ... 4 pole

IP66 (front)

Single hole front mounting Ø 22.5 mm



Order code structure:

Ordering example: 3 pole Main/Emergency-Off Switch, 40A, M-padlock device:

Type - Switching programme - Mounting form

H233 - 41300 - 281M4

Type	Rated data (IEC 60947)			Degree of protection Terminals
	Operational current I <sub>e</sub> AC-21A (A)	Operational power (at 380–440V) AC-23A (kW) AC-3 (kW)		
H216	20	5.5	3.7	IP20
H220	25	7.5	5.5	IP20
H226	32	11	7.5	IP20
H233	40	15	11	IP20
H263	63	22	18.5	IP20

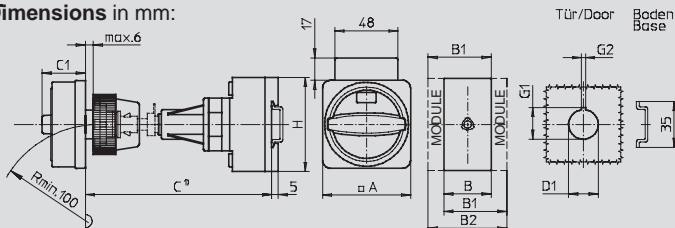
Detailed technical data page 108.

Switching progr.	Poles	Auxiliary contacts	
		n/o	n/c
41300	3	0	0
41311	3	1	1
41320	3	2	0
41400	4	0	0
41411	4	1	1
41420	4	2	0

Switching diagrams and further switching programmes (3 ... 4 pole) page 95.

Mounting form	Operator	Main/Emergency-Off Switch	Mounting form	Operator	Main Switch
281N4		N-padlock device yellow/red	281N1		N-padlock device black
281M4		M-padlock device yellow/red	281M1		M-padlock device black
281V4		padlockable with V-handle yellow/red	281V1		padlockable with V-handle silver/black

Dimensions in mm:



<sup>1)</sup> Internal depth: outside of door to top of DIN rail.

Metal shaft is not included. Please order separately, see page 103.

Mounting form	A	B	B1	B2	C1	D1	G1	G2	H
Types H216 / H220 / H226 / H233:									
281N4 / 281N1	67	36	48	60	33	22.5	24.2	3.2	70
281M4 / 281M1	67	36	48	60	38	22.5	24.2	3.2	70
281V4 / 281V1	48	36	48	60	32	22.5	24.2	3.2	70
Type H263:									
281N4 / 281N1	67	50	69	88	33	22.5	24.2	3.2	72
281M4 / 281M1	67	50	69	88	38	22.5	24.2	3.2	72
281V4 / 281V1	48	50	69	88	32	22.5	24.2	3.2	72

Snap on mounting

Door interlock with metal shaft extension

Single hole front mounting

20A / 25A / 32A / 40A / 63A

- Main/Emergency-Off Switch
- Main Switch

3 ... 8 pole

IP66 (front)

Single hole front mounting  $\varnothing$  22.5 mm



Order code structure: **Type** - **Switching programme** - **Mounting form**  
 Ordering example: 4 pole Main/Emergency-Off Switch, 40A, padlockable with V-handle: **H233 - 41400 - 289V4**

Type	Rated data (IEC 60947)			Degree of protection
	Operational current I <sub>e</sub> AC-21A (A)	Operational power (at 380–440V) AC-23A (kW) AC-3 (kW)		
H216	20	5.5	3.7	IP20
H220	25	7.5	5.5	IP20
H226	32	11	7.5	IP20
H233	40	15	11	IP20
H263	63	22	18.5	IP20

Detailed technical data page 108.

Switching progr.	Poles	Auxiliary contacts		Switching progr.	Poles	Auxiliary contacts	
		n/o	n/c			n/o	n/c
3 ... 4 pole:				6 ... 8 pole:			
41300	3	0	0	41600	6	0	0
41311	3	1	1	41611	6	1	1
41320	3	2	0	41620	6	2	0
41400	4	0	0	41800	8	0	0
41411	4	1	1	not available for type H263			
41420	4	2	0				

Switching diagrams and further switching programmes page 95.

Mounting form	Operator	Main/Emergency-Off Switch	Mounting form	Operator	Main Switch
289V4		padlockable with V-handle yellow/red	289V1		padlockable with V-handle silver/black

**Dimensions in mm:**

Mounting form	A	B	B1	B2	C1	D1	G1	G2	H
Types H216 / H220 / H226 / H233 (3 ... 4 pole): 289V4 / 289V1	64	36	48	60	39	22.5	24.2	3.2	70
Types H216 / H220 / H226 / H233 (6 ... 8 pole): 289V4 / 289V1	64	72	84	96	39	22.5	24.2	3.2	70
Type H263 (3 ... 4 pole): 289V4 / 289V1	64	50	69	88	39	22.5	24.2	3.2	72

<sup>1)</sup> Internal depth: outside of door to top of DIN rail.  
 Metal shaft is not included. Please order separately, see page 103.



#### Door interlock with metal shaft extension

Single hole front mounting

**63 A / 80 A / 100 A / 125 A**

**Main/Emergency-Off Switch** ■  
**Main Switch** ■

3 ... 8 pole

**IP66** (front)

Single hole front mounting  $\varnothing$  22.5 mm



#### Order code structure:

Ordering example: 8 pole Main/Emergency-Off Switch, 63A, N-padlock device:

**Type** - **Switching programme** - **Mounting form**

**H406 - 41800 - 281N4**

Type	Rated data (IEC 60947)			Degree of protection
	Operational current $I_e$ AC-21A (A)	Operational power (at 380–440V) AC-23A (kW) AC-3 (kW)		
H406	63	22	18.5	IP1B
H408	80	30	22	IP1B
H410	100	37	30	IP1B
H412	125	45	37	IP1B

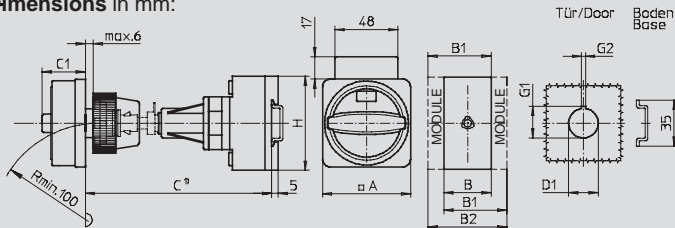
Detailed technical data page 108.

Switching progr.	Poles	Auxiliary contacts		Switching progr.	Poles	Auxiliary contacts	
		n/o	n/c			n/o	n/c
3 ... 4 pole:				6 ... 8 pole:			
41300	3	0	0	41600	6	0	0
41311	3	1	1	41611	6	1	1
41320	3	2	0	41620	6	2	0
41400	4	0	0	41800	8	0	0
41411	4	1	1				
41420	4	2	0				

Switching diagrams and further switching programmes page 95.

Mounting form	Operator	Main/Emergency-Off Switch	Mounting form	Operator	Main Switch
281N4		N-padlock device yellow/red	281N1		N-padlock device black
281M4		M-padlock device yellow/red	281M1		M-padlock device black
281V4		padlockable with V-handle yellow/red	281V1		padlockable with V-handle silver/black

#### Dimensions in mm:



<sup>1)</sup> Internal depth: outside of door to top of DIN rail.

Metal shaft is not included. Please order separately, see page 103.

Mounting form	A	B	B1	B2	C1	D1	G1	G2	H
Types H406 / H408 / H410 / H412 (3 ... 4 pole):									
281N4 / 281N1	67	70	89	108	33	22.5	24.2	3.2	80
281M4 / 281M1	67	70	89	108	38	22.5	24.2	3.2	80
281V4 / 281V1	64	70	89	108	39	22.5	24.2	3.2	80
Types H406 / H408 / H410 / H412 (6 ... 8 pole):									
281N4 / 281N1	67	140	159	178	33	22.5	24.2	3.2	80
281M4 / 281M1	67	140	159	178	38	22.5	24.2	3.2	80
281V4 / 281V1	64	140	159	178	39	22.5	24.2	3.2	80

## Snap on mounting

### Door interlock with metal shaft extension

Four hole front mounting

20A / 25A / 32A / 40A / 63A

- Main/Emergency-Off Switch
- Main Switch

3 ... 4 pole

IP66 (front)

Four hole front mounting 36 x 36 mm



**Order code structure:**

Ordering example: 4 pole Main/Emergency-Off Switch, 20A, N-padlock device:

Type - Switching programme - Mounting form

H216 - 41400 - 483N4

Type	Rated data (IEC 60947)			Degree of protection
	Operational current I <sub>e</sub> AC-21A (A)	Operational power (at 380–440V) AC-23A (kW) AC-3 (kW)		
H216	20	5.5	3.7	IP20
H220	25	7.5	5.5	IP20
H226	32	11	7.5	IP20
H233	40	15	11	IP20
H263	63	22	18.5	IP20

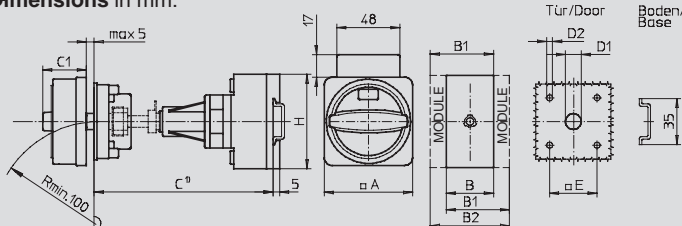
Detailed technical data page 108.

Switching progr.	Poles	Auxiliary contacts	
		n/o	n/c
41300	3	0	0
41311	3	1	1
41320	3	2	0
41400	4	0	0
41411	4	1	1
41420	4	2	0

Switching diagrams and further switching programmes (3 ... 4 pole) page 95.

Mounting form	Operator	Main/Emergency-Off Switch	Mounting form	Operator	Main Switch
483N4		N-padlock device yellow/red	483N1		N-padlock device black
483M4		M-padlock device yellow/red	483M1		M-padlock device black
483V4		padlockable with V-handle yellow/red	483V1		padlockable with V-handle silver/black

**Dimensions in mm:**



<sup>1)</sup> Internal depth: inside of door to top of DIN rail.

Metal shaft is not included. Please order separately, see page 103.

Mounting form	A	B	B1	B2	C1	D1	D2	E	H
Types H216 / H220 / H226 / H233:									
483N4 / 483N1	67	36	48	60	33	15	4.5	36	70
483M4 / 483M1	67	36	48	60	38	15	4.5	36	70
483V4 / 483V1	48	36	48	60	32	15	4.5	36	70
Type H263:									
483N4 / 483N1	67	50	69	88	33	15	4.5	36	72
483M4 / 483M1	67	50	69	88	38	15	4.5	36	72
483V4 / 483V1	48	50	69	88	32	15	4.5	36	72

20 A / 25 A / 32 A / 40 A / 63 A

Main/Emergency-Off Switch ■  
Main Switch ■

3 ... 8 pole

IP66 (front)

Four hole front mounting 48 x 48 mm



Order code structure:

Ordering example: 8 pole Main Switch, 25A, padlockable with V-handle:

Type - Switching programme - Mounting form

H220 - 41800 - 484V1

Type	Rated data (IEC 60947)			Degree of protection
	Operational current I <sub>e</sub> AC-21A (A)	Operational power (at 380–440V) AC-23A (kW) AC-3 (kW)		Terminals
H216	20	5.5	3.7	IP20
H220	25	7.5	5.5	IP20
H226	32	11	7.5	IP20
H233	40	15	11	IP20
H263	63	22	18.5	IP20

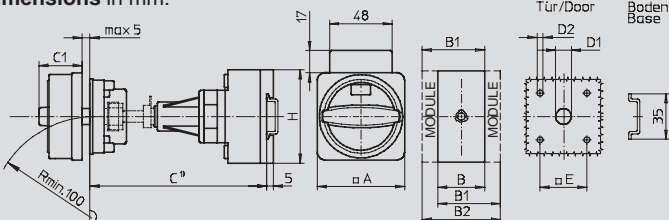
Detailed technical data page 108.

Switching progr.	Poles	Auxiliary contacts		Switching progr.	Poles	Auxiliary contacts	
		n/o	n/c			n/o	n/c
3 ... 4 pole:				6 ... 8 pole:			
41300	3	0	0	41600	6	0	0
41311	3	1	1	41611	6	1	1
41320	3	2	0	41620	6	2	0
41400	4	0	0	41800	8	0	0
41411	4	1	1	not available for type H263			
41420	4	2	0				

Switching diagrams and further switching programmes page 95.

Mounting form	Operator	Main/Emergency-Off Switch	Mounting form	Operator	Main Switch
484N4		N-padlock device yellow/red	484N1		N-padlock device black
484M4		M-padlock device yellow/red	484M1		M-padlock device black
484V4		padlockable with V-handle yellow/red	484V1		padlockable with V-handle silver/black

Dimensions in mm:



<sup>1)</sup> Internal depth: inside of door to top of DIN rail.

Metal shaft is not included. Please order separately, see page 103.

Mounting form	A	B	B1	B2	C1	D1	D2	E	H
Types H216 / H220 / H226 / H233 (3 ... 4 pole):									
484N4 / 484N1	67	36	48	60	33	15	5	48	70
484M4 / 484M1	67	36	48	60	38	15	5	48	70
484V4 / 484V1	64	36	48	60	39	15	5	48	70
Types H216 / H220 / H226 / H233 (6 ... 8 pole):									
484N4 / 484N1	67	72	84	96	33	15	5	48	70
484M4 / 484M1	67	72	84	96	38	15	5	48	70
484V4 / 484V1	64	72	84	96	39	15	5	48	70
Type H263 (3 ... 4 pole):									
484N4 / 484N1	67	50	69	88	33	15	5	48	72
484M4 / 484M1	67	50	69	88	38	15	5	48	72
484V4 / 484V1	64	50	69	88	39	15	5	48	72

Snap on mounting

Door interlock with metal shaft extension

Four hole front mounting

63A / 80A / 100A / 125A

- Main/Emergency-Off Switch
- Main Switch

3 ... 8 pole

IP66 (front)

Four hole front mounting 48 x 48 mm



Order code structure: **Type** - **Switching programme** - **Mounting form**  
 Ordering example: 6 pole Main Switch, 125A, N-padlock device: **H412 - 41600 - 483N1**

Type	Rated data (IEC 60947)			Degree of protection
	Operational current I <sub>e</sub> AC-21A (A)	Operational power (at 380–440V) AC-23A (kW) AC-3 (kW)		
H406	63	22	18.5	IP1B
H408	80	30	22	IP1B
H410	100	37	30	IP1B
H412	125	45	37	IP1B

Detailed technical data page 108.

Switching progr.	Poles	Auxiliary contacts		Switching progr.	Poles	Auxiliary contacts	
		n/o	n/c			n/o	n/c
3 ... 4 pole:				6 ... 8 pole:			
41300	3	0	0	41600	6	0	0
41311	3	1	1	41611	6	1	1
41320	3	2	0	41620	6	2	0
41400	4	0	0	41800	8	0	0
41411	4	1	1				
41420	4	2	0				

Switching diagrams and further switching programmes page 95.

Mounting form	Operator	Main/Emergency-Off Switch	Mounting form	Operator	Main Switch
483N4		N-padlock device yellow/red	483N1		N-padlock device black
483M4		M-padlock device yellow/red	483M1		M-padlock device black
483V4		padlockable with V-handle yellow/red	483V1		padlockable with V-handle silver/black

Dimensions in mm:

Mounting form	A	B	B1	B2	C1	D1	D2	E	H
Types H406 / H408 / H410 / H412 (3 ... 4 pole):									
483N4 / 483N1	88	70	89	108	45	15	5	48	80
483M4 / 483M1	88	70	89	108	50	15	5	48	80
483V4 / 483V1	64	70	89	108	40	15	5	48	80
Types H406 / H408 / H410 / H412 (6 ... 8 pole):									
483N4 / 483N1	88	140	159	178	45	15	5	48	80
483M4 / 483M1	88	140	159	178	50	15	5	48	80
483V4 / 483V1	64	140	159	178	40	15	5	48	80

<sup>1)</sup> Internal depth: inside of door to top of DIN rail.  
 Metal shaft is not included. Please order separately, see page 103.

#### Door interlock with metal shaft extension

Single hole front mounting

**20 A / 25 A / 32 A / 40 A**

**Changeover Switch**

3 ... 4 pole

**IP66** (front)

Single hole front mounting  $\varnothing$  22.5 mm



#### Order code structure:

Ordering example: 4 pole changeover, 40A, padlockable with V-handle:

**Type** - **Switching programme** - **Mounting form**

**H233 - 71400 - 285V1**

Type	Rated data (IEC 60947)			Degree of protection Terminals
	Operational current $I_e$ AC-21A (A)	Operational power (at 380–440V) AC-23A (kW) AC-3 (kW)		
H216	20	5.5	3.7	IP20
H220	25	7.5	5.5	IP20
H226	32	11	7.5	IP20
H233	40	15	11	IP20

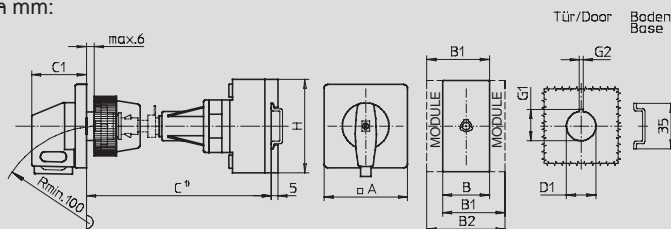
Detailed technical data page 108.

Switching progr.	Poles	Auxiliary contacts			
		n/o pos. 1	n/c pos. 1	n/o pos. 2	n/c pos. 2
71300	3	0	0	0	0
71311	3	1	1	1	1
71322	3	2	0	2	0
71400	4	0	0	0	0

Switching diagrams and further switching programmes (3 ... 4 pole) page 95.

Mounting form	Operator	Padlockable options
285M1	M-handle silver/black	not padlockable
285V1	padlockable with V-handle silver/black	OFF position padlockable 12h
291V1	padlockable with V-handle silver/black	3 positions padlockable (09h/12h/03h)

#### Dimensions in mm:



Metal shaft is not included.  
Please order separately, see page 103.

Mounting form	A	B	B1	B2	C1	D1	G1	G2	H
285M1 / 285V1 / 291V1	64	72	84	96	39	22.5	24.2	3.2	70

<sup>1)</sup> Internal depth: outside of door to top of DIN rail.

Snap on mounting

Door interlock with metal shaft extension

Single hole front mounting

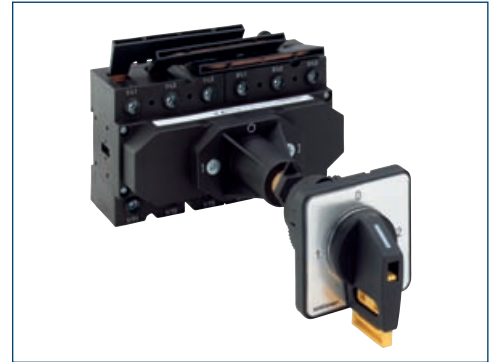
63A / 80A / 100A / 125A

Changeover Switch

3 ... 4 pole

IP66 (front)

Single hole front mounting  $\varnothing$  22.5 mm



Order code structure: **Type** - **Switching programme** - **Mounting form**  
 Ordering example: 4 pole changeover, 80A, padlockable with V-handle: **H408 - 71400 - 293V1**

Type	Rated data (IEC 60947)			Degree of protection Terminals
	Operational current I <sub>e</sub> AC-21A (A)	Operational power (at 380–440V) AC-23A (kW) AC-3 (kW)		
H406	63	22	18.5	IP1B
H408	80	30	22	IP1B
H410	100	37	30	IP1B
H412	125	45	37	IP1B

Detailed technical data page 108.

Switching progr.	Poles 	Auxiliary contacts			
		n/o pos. 1	n/c pos. 1	n/o pos. 2	n/c pos. 2
71300	3	0	0	0	0
71311	3	1	1	1	1
71322	3	2	0	2	0
71400	4	0	0	0	0

Switching diagrams and further switching programmes (3 ... 4 pole) page 95.

Mounting form	Operator	Padlockable options
283V1	padlockable with V-handle silver/black	OFF position padlockable 12h
293V1	padlockable with V-handle silver/black	3 positions padlockable (09h/12h/03h)

Dimensions in mm:-

Mounting form	A	B	B1	B2	C1	D1	G1	G2	H
283V1 / 293V1	64	140	159	178	39	22.5	24.2	3.2	80

Metal shaft is not included. Please order separately, see page 103.

<sup>1)</sup> Internal depth: outside of door to top of DIN rail.



Order code structure:

Ordering example: 3 pole changeover, 32A, padlockable with V-handle:

Type - Switching programme - Mounting form

H226 - 71300 - 482V1

Type	Rated data (IEC 60947)			Degree of protection Terminals
	Operational current I <sub>e</sub> AC-21A (A)	Operational power (at 380–440V) AC-23A (kW) AC-3 (kW)		
H216	20	5.5	3.7	IP20
H220	25	7.5	5.5	IP20
H226	32	11	7.5	IP20
H233	40	15	11	IP20

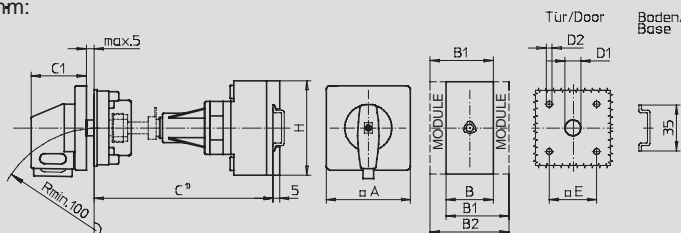
Detailed technical data page 108.

Switching progr.	Poles 	Auxiliary contacts			
		n/o pos. 1	n/c pos. 1	n/o pos. 2	n/c pos. 2
71300	3	0	0	0	0
71311	3	1	1	1	1
71322	3	2	0	2	0
71400	4	0	0	0	0

Switching diagrams and further switching programmes (3 ... 4 pole) page 95.

Mounting form	Operator	Padlockable options
482M1	M-handle silver/black	not padlockable
482V1	padlockable with V-handle silver/black	OFF position padlockable 12h
449V1	padlockable with V-handle silver/black	3 positions padlockable (09h/12h/03h)

Dimensions in mm:



Metal shaft is not included.  
Please order separately, see page 103.

Mounting form	A	B	B1	B2	C1	D1	D2	E	H
482M1 / 482V1 / 449V1	64	72	84	96	39	15	5	48	70

<sup>1)</sup> Internal depth: inside of door to top of DIN rail.

Snap on mounting

Door interlock with metal shaft extension

Four hole front mounting

63A / 80A / 100A / 125A

Changeover Switch

3 ... 4 pole

IP66 (front)

Four hole front mounting 48 x 48 mm



Order code structure: **Type** - **Switching programme** - **Mounting form**  
 Ordering example: 4 pole changeover, 100A, M-handle: **H410 - 71400 - 481M1**

Type	Rated data (IEC 60947)			Degree of protection Terminals
	Operational current I <sub>e</sub> AC-21A (A)	Operational power (at 380–440V) AC-23A (kW) AC-3 (kW)		
H406	63	22	18.5	IP1B
H408	80	30	22	IP1B
H410	100	37	30	IP1B
H412	125	45	37	IP1B

Detailed technical data page 108.

Switching progr.	Poles 	Auxiliary contacts			
		n/o pos. 1	n/c pos. 1	n/o pos. 2	n/c pos. 2
71300	3	0	0	0	0
71311	3	1	1	1	1
71322	3	2	0	2	0
71400	4	0	0	0	0

Switching diagrams and further switching programmes (3 ... 4 pole) page 95.

Mounting form	Operator	Padlockable options
481M1	M-handle silver/black	not padlockable
481V1	padlockable with V-handle silver/black	OFF position padlockable 12h
485V1	padlockable with V-handle silver/black	3 positions padlockable (09h/12h/03h)

Dimensions in mm:

Metal shaft is not included.  
Please order separately, see page 103.

Mounting form	A	B	B1	B2	C1	D1	D2	E	H
481M1 / 481V1 / 485V1	64	140	159	178	40	15	5	48	80

<sup>1)</sup> Internal depth: inside of door to top of DIN rail.





160A

Main/Emergency-Off Switch ■  
Main Switch ■

3 ... 6 pole

IP55 (front)

Four hole front mounting 68 × 68 mm

Order code structure:

Ordering example: 3 pole Main Switch, 160A, H-padlock device:

Type - Switching programme - Mounting form

K616 - 41300 - 034H1

Type	Rated data (IEC 60947)		
	Operational current I <sub>e</sub> AC-21A (A)	Operational power (at 380–440V) AC-23A (kW) AC-3 (kW)	
K616	160	75	45

Detailed technical data page 108.

Switching progr.	Poles	Auxiliary contacts		Switching progr.	Poles	Auxiliary contacts	
		n/o	n/c			n/o	n/c
3 ... 4 pole:				6 pole:			
41300	3	0	0	41600	6	0	0
41400	4	0	0				

Switching diagrams page 95.

Mounting form	Operator	Main/Emergency-Off Switch	Mounting form	Operator	Main Switch
034H4		H-padlock device yellow/red	034H1		H-padlock device silver/black

Dimensions in mm:

Type	A1	A2	C1	D*	D1	D2	E	L with ... stages					
								min.	max.	1	2	3	4
K616	98	142	83	150	15	5.5	68	48	60	72	104	136	168

\* terminal lugs included

Four hole mounting 68 × 68 mm

Door interlock

160A

ON-OFF Switch

3 ... 8 pole

IP55 (front)

Four hole front mounting 68 × 68 mm




Order code structure: **Type** - **Switching programme** - **Mounting form**  
 Ordering example: 8 pole ON-OFF Switch, 160A, G-handle: **K616 - 41800 - 042G1**

Type	Rated data (IEC 60947)		
	Operational current I <sub>e</sub> AC-21A (A)	Operational power (at 380–440V) AC-23A (kW) AC-3 (kW)	
K616	160	75	45

Detailed technical data page 108.

Switching progr.	Poles	Auxiliary contacts		Switching progr.	Poles	Auxiliary contacts	
		n/o	n/c			n/o	n/c
3 ... 4 pole:				6 ... 8 pole:			
41300	3	0	0	41600	6	0	0
41400	4	0	0	41800	8	0	0

Switching diagrams page 95.

Mounting form	Operator
042G1	 G-handle silver/black

Dimensions in mm:

Type	A	C1	D*	D1	D2	E	min. max.		L with ... stages			
							min.	max.	1	2	3	4
K616	88	66	150	15	5.5	68	48	60	72	104	136	168

\* terminal lugs included



Order code structure:

Ordering example: 4 pole changeover, 160A, H-padlock device:

Type - Switching programme - Mounting form

K616 - 71400 - 042H1

Type	Rated data (IEC 60947)		
	Operational current I <sub>e</sub> AC-21A (A)	Operational power (at 380–440V) AC-23A (kW) AC-3 (kW)	
K616	160	75	45

Detailed technical data page 108.

Switching progr.	Poles	Auxiliary contacts			
		n/o pos. 1	n/c pos. 1	n/o pos. 2	n/c pos. 2
71300	3	0	0	0	0
71400	4	0	0	0	0

Switching diagrams page 95.

Mounting form	Operator	Padlockable options
042H1	H-padlock device silver/black	OFF position padlockable 12h
043H1	H-padlock device silver/black	3 positions padlockable (09h/12h/03h)

Dimensions in mm:

Type	A1	A2	C1	D*	D1	D2	E	L with ... stages					
								min.	max.	1	2	3	4
K616	98	142	83	150	15	5.5	68	48	60	72	104	136	168

\* terminal lugs included

Four hole mounting 104 x 104 mm

Door interlock

315A

- Main/Emergency-Off Switch
- Main Switch

3 ... 8 pole

IP55 (front)

Four hole front mounting 104 x 104 mm



Order code structure: **Type** - **Switching programme** - **Mounting form**  
 Ordering example: 3 pole Main Switch, 315A, H-padlock device: **K830 - 41300 - 034H1**

Type	Rated data (IEC 60947)		
	Operational current I <sub>o</sub> AC-21A (A)	Operational power (at 380–440V) AC-23A (kW) AC-3 (kW)	
K830	315	132	55

Detailed technical data page 108.

Switching progr.	Poles	Auxiliary contacts		Switching Diagram	
41300	3	0	0		
41400	4	0	0		

Mounting form	Operator	Main/Emergency-Off Switch	Mounting form	Operator	Main Switch
034H4			034H1		

Dimensions in mm:

Type	A1	A2	C1	D*	D1	D2	E	L with ... stages					
								min.	max.	1	2	3	4
K830	130	176	93	210	20	5.5	104	75	102	89	125	161	197

\* terminal lugs included

315A

ON-OFF Switch ■

3 ... 8 pole

IP55 (front)

Four hole front mounting 104 × 104 mm



**Order code structure:** Type - Switching programme - Mounting form  
 Ordering example: 8 pole ON-OFF Switch, 315A, G-handle: K830 - 41800 - 042G1

Type	Rated data (IEC 60947)		
	Operational current I <sub>e</sub> AC-21A (A)	Operational power (at 380–440V) AC-23A (kW) AC-3 (kW)	
K830	315	132	55

Detailed technical data page 108.

Switching progr.	Poles	Auxiliary contacts		Switching progr.	Poles	Auxiliary contacts	
		n/o	n/c			n/o	n/c
3 ... 4 pole:				6 ... 8 pole:			
41300	3	0	0	41600	6	0	0
41400	4	0	0	41800	8	0	0

Switching diagrams page 95.

Mounting form	Operator
042G1	G-handle silver/black

Dimensions in mm:

Type	A	C1	D*	D1	D2	E	L with ... stages		1	2	3	4
							min.	max.				
K830	130	74	210	20	5.5	104	75	102	89	125	161	197

\* terminal lugs included

Four hole mounting 104 x 104 mm

Door interlock

315A

Changeover Switch

3 ... 4 pole

IP55 (front)

Four hole front mounting 104 x 104 mm



Order code structure: **Type** - **Switching programme** - **Mounting form**  
 Ordering example: 4 pole changeover, 315A, H-padlock device: **K830 - 71400 - 042H1**

Type	Rated data (IEC 60947)		
	Operational current I <sub>e</sub> AC-21A (A)	Operational power (at 380–440V) AC-23A (kW) AC-3 (kW)	
K830	315	132	55

Detailed technical data page 108.

Switching progr.	Poles	Auxiliary contacts			
		n/o pos. 1	n/c pos. 1	n/o pos. 2	n/c pos. 2
71300	3	0	0	0	0
71400	4	0	0	0	0

Switching diagrams page 95.

Mounting form	Operator	Padlockable options
042H1	H-padlock device silver/black	OFF position padlockable 12h
043H1	H-padlock device silver/black	3 positions padlockable (09h/12h/03h)

Dimensions in mm:

Type	A1	A2	C1	D*	D1	D2	E	min.	max.	L with ... stages			
										1	2	3	4
K830	130	176	93	210	20	5.5	104	75	102	89	125	161	197

\* terminal lugs included



Four hole mounting 150 × 270 mm

Door interlock with mounting plate

160A

Main/Emergency-Off Switch ■  
Main Switch ■

3 ... 8 pole

IP66 (front)

Four hole front mounting 48 × 48 mm

**Order code structure:**

Ordering example: 3 pole Main/Emergency-Off Switch, 160A, H-padlock device:

Type - Switching programme - Mounting form

K616 - 41300 - 483H4

Type	Rated data (IEC 60947)		
	Operational current I <sub>e</sub> AC-21A (A)	Operational power (at 380–440V) AC-23A (kW) AC-3 (kW)	
K616	160	75	45

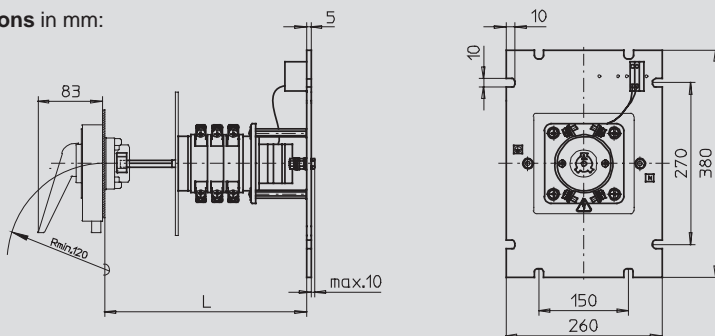
Detailed technical data page 108.

Switching progr.	Poles	Auxiliary contacts		Switching progr.	Poles	Auxiliary contacts	
		n/o	n/c			n/o	n/c
3 ... 4 pole:				6 ... 8 pole:			
41300	3	0	0	41600	6	0	0
41311	3	1	1	41611	6	1	1
41320	3	2	0	41620	6	2	0
41400	4	0	0	41800	8	0	0
41411	4	1	1				
41420	4	2	0				

Switching diagrams and further switching programmes page 95.

Mounting form	Operator	Main/Emergency-Off Switch	Mounting form	Operator	Main Switch
483H4		H-padlock device yellow/red	483H1		H-padlock device silver/black

Dimensions in mm:



Switching programme	L
41300 and 41400	150
other programmes:	225

## Four hole mounting 150 × 270 mm

### Door interlock with mounting plate

### 315A

- Main/Emergency-Off Switch
- Main Switch

3 ... 8 pole

IP55 (front)

Four hole front mounting 104 × 104 mm



**Order code structure:**

Ordering example: 3 pole Main/Emergency-Off Switch, 315A, H-padlock device:

**Type - Switching programme - Mounting form**

**K830 - 41300 - 483H4**

Type	Rated data (IEC 60947)		
	Operational current I <sub>e</sub> AC-21A (A)	Operational power (at 380–440V) AC-23A (kW) AC-3 (kW)	
K830	315	132	55

Detailed technical data page 108.

Switching progr.	Poles	Auxiliary contacts		Switching progr.	Poles	Auxiliary contacts	
		n/o	n/c			n/o	n/c
3 ... 4 pole:				6 ... 8 pole:			
41300	3	0	0	41600	6	0	0
41311	3	1	1	41611	6	1	1
41320	3	2	0	41620	6	2	0
41400	4	0	0	41800	8	0	0
41411	4	1	1				
41420	4	2	0				

Switching diagrams and further switching programmes page 95.

Mounting form	Operator	Main/Emergency-Off Switch	Mounting form	Operator	Main Switch
483H4		H-padlock device yellow/red	483H1		H-padlock device silver/black

**Dimensions in mm:**

Switching programme	L <sub>min</sub>	L <sub>max</sub>
41300 and 41400	200	227
41311, 41320, 41322, 41331, 41340, 41411, 41420	275	302
41600, 41611, 41620, 41622, 41631, 41640	292	319
41800	272	299





Four hole mounting 150 × 270 mm

Door interlock with mounting plate

160A

Changeover Switch ■

3 ... 4 pole

IP66 (front)

Four hole front mounting 48 × 48 mm

Order code structure:

Ordering example: 4 pole changeover, 160A, H-padlock device:

Type - Switching programme - Mounting form



K616 - 71400 - 484H1

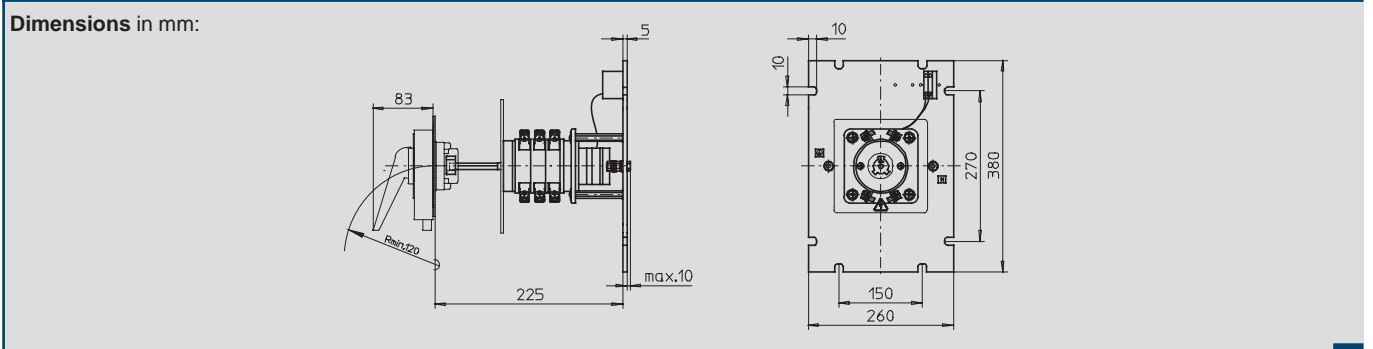
Type	Rated data (IEC 60947)		
	Operational current I <sub>e</sub> AC-21A (A)	Operational power (at 380–440V) AC-23A (kW) AC-3 (kW)	
K616	160	75	45

Detailed technical data page 108.

Switching progr.	Poles	Auxiliary contacts			
		n/o pos. 1	n/c pos. 1	n/o pos. 2	n/c pos. 2
71300	3	0	0	0	0
71311	3	1	1	1	1
71322	3	2	0	2	0
71400	4	0	0	0	0

Switching diagrams and further switching programmes (3 ... 4 pole) page 95.

Mounting form	Operator	Padlockable options
484H1	  H-padlock device silver/black	OFF position padlockable 12h



Four hole mounting 150 × 270 mm

Door interlock with mounting plate

315A

## Changeover Switch

3 ... 4 pole

IP55 (front)

Four hole front mounting 104 × 104 mm



Order code structure:

Ordering example: 4 pole changeover, 315A, H-padlock device:

Type - Switching programme - Mounting form



K830 - 71400 - 484H1

Type	Rated data (IEC 60947)		
	Operational current I <sub>e</sub> AC-21A (A)	Operational power (at 380–440V) AC-23A (kW) AC-3 (kW)	
K830	315	132	55

Detailed technical data page 108.

Switching progr.	Poles	Auxiliary contacts			
		n/o pos. 1	n/c pos. 1	n/o pos. 2	n/c pos. 2
71300	3	0	0	0	0
71311	3	1	1	1	1
71322	3	2	0	2	0
71400	4	0	0	0	0

Switching diagrams and further switching programmes (3 ... 4 pole) page 95.

Mounting form	Operator	Padlockable options
484H1	  H-padlock device silver/black	OFF position padlockable 12h

Dimensions in mm:

Switching programme	L <sub>min</sub>	L <sub>max</sub>
71300, 71301, 71302, 71310, 71311, 71312, 71320, 71321, 71322	292	319
71400	272	299



**Main/Emergency-Off Switch** ■  
**Main Switch** ■

3 ... 4 pole

**IP66**

Insulated polycarbonate enclosure  
Cover security through screw cover

**Order code structure:**

Ordering example: 4 pole Main/Emergency-Off Switch, 20A, N-padlock device:

Type - Switching programme - Mounting form

H212 - 41400 - 077N4

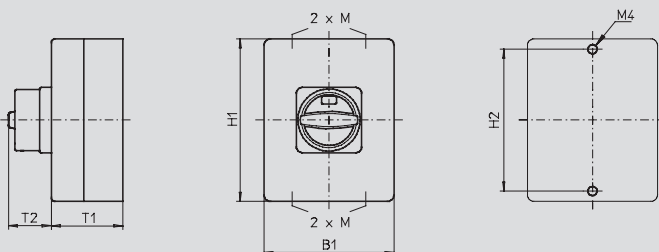
Type	Rated data (IEC 60947)		
	Operational current I <sub>e</sub> AC-21A (A)	Operational power (at 380–440V) AC-23A (kW) AC-3 (kW)	
H212	20	5.5	3.7

Detailed technical data page 108.

Switching progr.	Poles	Auxiliary contacts		Switching diagram	
		n/o	n/c		
41300	3	0	0		
41400	4	0	0		

Mounting form	Operator	Main/Emergency-Off Switch	Mounting form	Operator	Main Switch
077N4		N-padlock device yellow/red	077N1		N-padlock device black
077M4		M-padlock device yellow/red	077M1		M-padlock device black
077V4		padlockable with V-handle yellow/red	077V1		padlockable with V-handle silver/black

**Dimensions in mm:**



Mounting form	H1	B1	T1	T2	2xM	H2
077N4 / 077N1	100	80	65	38	20	90
077M4 / 077M1	100	80	65	38	20	90
077V4 / 077V1	100	80	65	32	20	90

## Insulated enclosure

125 × 100 × 85 mm

20 A / 25 A / 32 A

- Main/Emergency-Off Switch
- Main Switch

3 ... 4 pole

### IP66

Insulated polycarbonate enclosure  
Cover interlock in ON position



#### Order code structure:

Ordering example: 4 pole Main/Emergency-Off Switch, 25A, N-padlock device:

Type - Switching programme - Mounting form

H220 - 41400 - 700N4

Type	Rated data (IEC 60947)		
	Operational current I <sub>e</sub> AC-21A (A)	Operational power (at 380–440V) AC-23A (kW) AC-3 (kW)	
H216	20	5.5	3.7
H220	25	7.5	5.5
H226	32	11	7.5

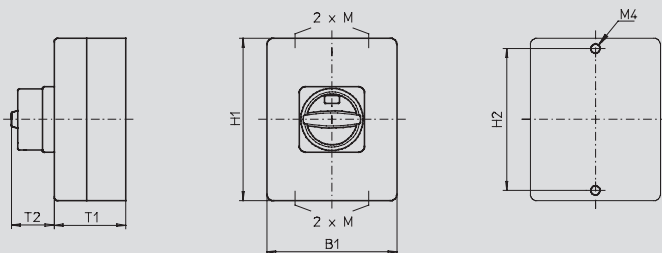
Detailed technical data page 108.

Switching progr.	Poles	Auxiliary contacts	
		n/o	n/c
41300	3	0	0
41311	3	1	1
41320	3	2	0
41400	4	0	0
41411	4	1	1
41420	4	2	0

Switching diagrams and further switching programmes (3 ... 4 pole) page 95.

Mounting form	Operator	Main/Emergency-Off Switch	Mounting form	Operator	Main Switch
700N4		N-padlock device yellow/red	700N1		N-padlock device black
700M4		M-padlock device yellow/red	700M1		M-padlock device black
700V4		padlockable with V-handle yellow/red	700V1		padlockable with V-handle silver/black

#### Dimensions in mm:



Mounting form	H1	B1	T1	T2	2×M	H2
700N4 / 700N1	125	100	85	33	20/25	115
700M4 / 700M1	125	100	85	38	20/25	115
700V4 / 700V1	125	100	85	32	20/25	115

Insulated enclosure

175 × 115 × 100 mm

20 A / 25 A / 32 A / 40 A / 63 A

Main/Emergency-Off Switch ■  
Main Switch ■

3 ... 4 pole

IP66

Insulated polycarbonate enclosure  
Cover interlock in ON position



Order code structure:

Ordering example: 4 pole Main Switch, 32A, M-padlock device:

Type - Switching programme - Mounting form

H226 - 41400 - 710M1

Type	Rated data (IEC 60947)		
	Operational current I <sub>e</sub> AC-21A (A)	Operational power (at 380–440V) AC-23A (kW) AC-3 (kW)	
H216	20	5.5	3.7
H220	25	7.5	5.5
H226	32	11	7.5
H233	40	15	11
H263	63	22	18.5

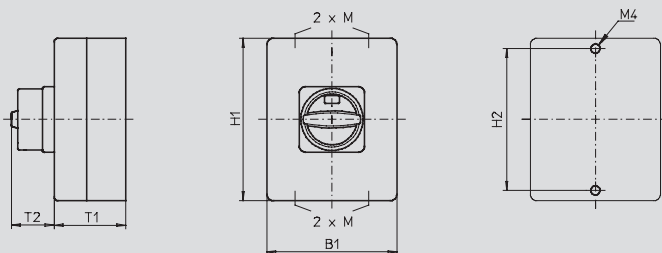
Detailed technical data page 108.

Switching progr.	Poles	Auxiliary contacts	
		n/o	n/c
41300	3	0	0
41311	3	1	1
41320	3	2	0
41400	4	0	0
41411	4	1	1
41420	4	2	0

Switching diagrams and further switching programmes (3 ... 4 pole) page 95.

Mounting form	Operator	Main/Emergency-Off Switch	Mounting form	Operator	Main Switch
710N4	N-padlock device yellow/red	N-padlock device yellow/red	710N1	N-padlock device black	N-padlock device black
710M4	M-padlock device yellow/red	M-padlock device yellow/red	710M1	M-padlock device black	M-padlock device black
710V4	padlockable with V-handle yellow/red	padlockable with V-handle yellow/red	710V1	padlockable with V-handle silver/black	padlockable with V-handle silver/black

Dimensions in mm:



Mounting form	H1	B1	T1	T2	2×M	H2
710N4 / 710N1	175	115	100	33	20/25	165
710M4 / 710M1	175	115	100	38	20/25	165
710V4 / 710V1	175	115	100	39	20/25	165

## Insulated enclosure

175 x 115 x 100 mm

20A / 25A / 32A / 40A

- Main/Emergency-Off Switch
- Main Switch

6 pole

### IP66

Insulated polycarbonate enclosure  
Cover interlock in ON position



#### Order code structure:

Ordering example: 6 pole Main/Emergency-Off Switch, 20A, padlockable with V-handle:

Type - Switching programme - Mounting form

H216 - 41600 - 720V4

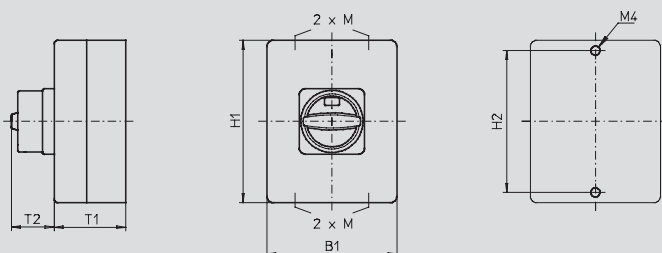
Type	Rated data (IEC 60947)		
	Operational current I <sub>e</sub> AC-21A (A)	Operational power (at 380–440V) AC-23A (kW) AC-3 (kW)	
H216	20	5.5	3.7
H220	25	7.5	5.5
H226	32	11	7.5
H233	40	15	11

Detailed technical data page 108.

Switching progr.	Poles	Auxiliary contacts		Switching diagram
		n/o	n/c	
41600	6	0	0	

Mounting form	Operator	Main/Emergency-Off Switch	Mounting form	Operator	Main Switch
720N4		N-padlock device yellow/red	720N1		N-padlock device black
720M4		M-padlock device yellow/red	720M1		M-padlock device black
720V4		padlockable with V-handle yellow/red	720V1		padlockable with V-handle silver/black

Dimensions in mm:



Mounting form	H1	B1	T1	T2	2xM	H2
720N4 / 720N1	175	115	100	33	20/25	165
720M4 / 720M1	175	115	100	38	20/25	165
720V4 / 720V1	175	115	100	39	20/25	165

Insulated enclosure

250 × 160 × 95 mm

20A / 25A / 32A / 40A

Main/Emergency-Off Switch ■  
Main Switch ■

6 ... 8 pole

IP66

Insulated polycarbonate enclosure



Order code structure:

Ordering example: 8 pole Main Switch, 40A, N-padlock device:

Type - Switching programme - Mounting form



















H233 - 41800 - 477N1

Type	Rated data (IEC 60947)		
	Operational current I <sub>e</sub> AC-21A (A)	Operational power (at 380–440V) AC-23A (kW) AC-3 (kW)	
H216	20	5.5	3.7
H220	25	7.5	5.5
H226	32	11	7.5
H233	40	15	11

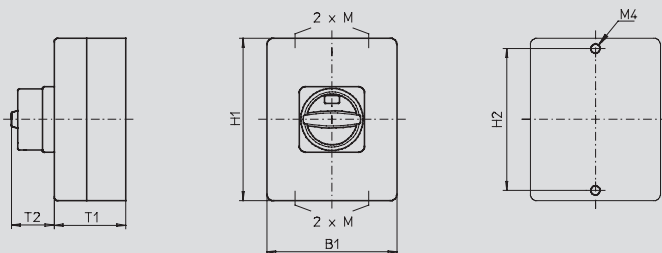
Detailed technical data page 108.

Switching progr.	Poles	Auxiliary contacts	
		n/o	n/c
41600	6	0	0
41611	6	1	1
41620	6	2	0
41800	8	0	0

Switching diagrams and further switching programmes (6 ... 8 pole) page 95.

Mounting form	Operator	Main/Emergency-Off Switch	Mounting form	Operator	Main Switch
477N4	  	N-padlock device yellow/red	477N1	  	N-padlock device black
477M4	  	M-padlock device yellow/red	477M1	  	M-padlock device black
477V4	  	padlockable with V-handle yellow/red	477V1	  	padlockable with V-handle silver/black

Dimensions in mm:



Mounting form	H1	B1	T1	T2	2×M	H2
477N4 / 477N1	250	160	95	33	25/32	240
477M4 / 477M1	250	160	95	38	25/32	240
477V4 / 477V1	250	160	95	39	25/32	240

## Insulated enclosure

250 × 160 × 95 mm

63 A / 80 A / 100 A

- Main/Emergency-Off Switch
- Main Switch

3 ... 4 pole

**IP66**

Insulated polycarbonate enclosure



**Order code structure:**

Ordering example: 3 pole Main/Emergency-Off Switch, 80A, M-padlock device:

Type - Switching programme - Mounting form

H408 - 41300 - 177M4

Type	Rated data (IEC 60947)		
	Operational current I <sub>e</sub> AC-21A (A)	Operational power (at 380–440V) AC-23A (kW) AC-3 (kW)	
H406	63	22	18.5
H408	80	30	22
H410	100	37	30

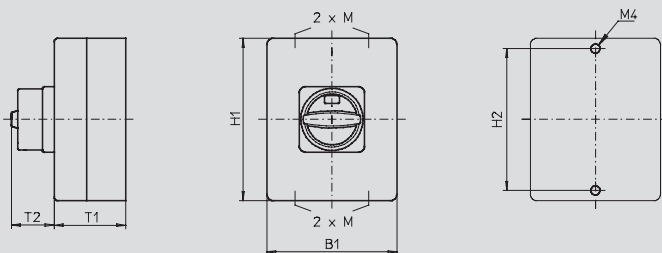
Detailed technical data page 108.

Switching progr.	Poles	Auxiliary contacts	
		n/o	n/c
41300	3	0	0
41311	3	1	1
41320	3	2	0
41400	4	0	0
41411	4	1	1
41420	4	2	0

Switching diagrams and further switching programmes (3 ... 4 pole) page 95.

Mounting form	Operator		Main/Emergency-Off Switch	Mounting form	Operator		Main Switch
177N4			N-padlock device yellow/red	177N1			N-padlock device black
177M4			M-padlock device yellow/red	177M1			M-padlock device black

Dimensions in mm:



Mounting form	H1	B1	T1	T2	2xM	H2
177N4/177N1	250	160	95	45	25/32	240
177M4/177M1	250	160	95	50	25/32	240



Insulated enclosure

250 × 160 × 95 mm

20A / 25A / 32A / 40A

Changeover Switch ■

3 ... 4 pole

IP66

Insulated polycarbonate enclosure



Order code structure:

Ordering example: 3 pole Changeover Switch, 40A, padlockable with V-handle:

Type - Switching programme - Mounting form

H233 - 71300 - 476V1

Type	Rated data (IEC 60947)		
	Operational current I <sub>o</sub> AC-21A (A)	Operational power (at 380–440V) AC-23A (kW) AC-3 (kW)	
H216	20	5.5	3.7
H220	25	7.5	5.5
H226	32	11	7.5
H233	40	15	11

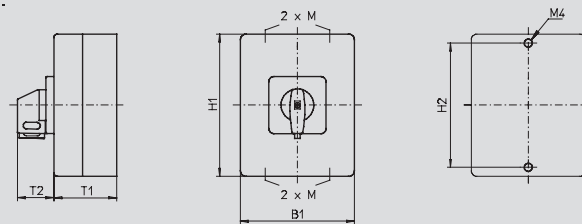
Detailed technical data page 108.

Switching progr.	Poles	Auxiliary contacts			
		n/o pos. 1	n/c pos. 1	n/o pos. 2	n/c pos. 2
71300	3	0	0	0	0
71311	3	1	1	1	1
71322	3	2	0	2	0
71400	4	0	0	0	0

Switching diagrams and further switching programmes (3 ... 4 pole) page 95.

Mounting form	Operator	Padlockable options
478M1	M-handle silver/black	not padlockable
476V1	padlockable with V-handle silver/black	OFF position padlockable 12h
478V1	padlockable with V-handle silver/black	3 positions padlockable (09h/12h/03h)

Dimensions in mm:



Mounting form	H1	B1	T1	T2	2xM	H2
478M1/476V1/478V1	250	160	95	39	25/32	240

# Enclosed switches

# Disconnect Switches

## Insulated enclosure

320 × 220 × 180 mm

63 A / 80 A / 100 A / 125 A

- Main/Emergency-Off Switch
- Main Switch

3 ... 4 pole

### IP66

Insulated polycarbonate enclosure  
Cover interlock in ON position



#### Order code structure:

Ordering example: 4 pole Main/Emergency-Off Switch, 125A, N-padlock device:

Type - Switching programme - Mounting form

H412 - 41400 - 471N4

Type	Rated data (IEC 60947)		
	Operational current I <sub>e</sub> AC-21A (A)	Operational power (at 380–440V) AC-23A (kW) AC-3 (kW)	
H406	63	22	18.5
H408	80	30	22
H410	100	37	30
H412	125	45	37

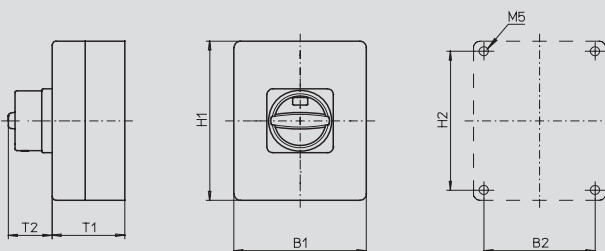
Detailed technical data page 108.

Switching progr.	Poles	Auxiliary contacts	
		n/o	n/c
41300	3	0	0
41311	3	1	1
41320	3	2	0
41400	4	0	0
41411	4	1	1
41420	4	2	0

Switching diagrams and further switching programmes (3 ... 4 pole) page 95.

Mounting form	Main/Emergency-Off Switch		Mounting form	Main Switch	
	Operator			Operator	
471N4		N-padlock device yellow/red	471N1		N-padlock device black
471M4		M-padlock device yellow/red	471M1		M-padlock device black

#### Dimensions in mm:



Mounting form	H1	B1	T1	T2	H2	B2
471N4/471N1	320	220	180	45	293	193
471M4/471M1	320	220	180	50	293	193

Blank gland plates

Insulated enclosure

320 × 220 × 180 mm

63 A / 80 A / 100 A / 125 A

Main/Emergency-Off Switch ■  
Main Switch ■

6 ... 8 pole

IP66

Insulated polycarbonate enclosure  
Cover interlock in ON position



Order code structure:

Ordering example: 6 pole Main Switch, 63A, M-padlock device:

Type - Switching programme - Mounting form

H406 - 41600 - 977M1

Type	Rated data (IEC 60947)		
	Operational current I <sub>e</sub> AC-21A (A)	Operational power (at 380–440V) AC-23A (kW) AC-3 (kW)	
H406	63	22	18.5
H408	80	30	22
H410	100	37	30
H412	125	45	37

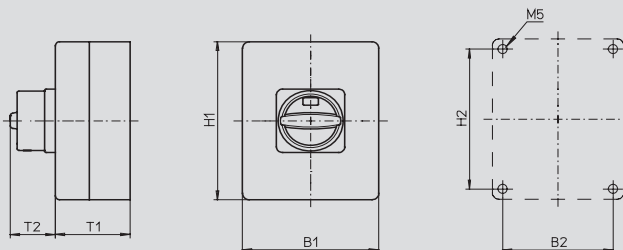
Detailed technical data page 108.

Switching progr.	Poles	Auxiliary contacts	
		n/o	n/c
41600	6	0	0
41611	6	1	1
41620	6	2	0
41800	8	0	0

Switching diagrams and further switching programmes (6 ... 8 pole) page 95.

Mounting form	Main/Emergency-Off Switch		Mounting form	Main Switch	
	Operator			Operator	
977N4		N-padlock device yellow/red	977N1		N-padlock device black
977M4		M-padlock device yellow/red	977M1		M-padlock device black

Dimensions in mm:



Mounting form	H1	B1	T1	T2	H2	B2
977N4 / 977N1	320	220	180	45	293	193
977M4 / 977M1	320	220	180	50	293	193

Blank gland plates

## Insulated enclosure

320 × 220 × 180 mm

63 A / 80 A / 100 A / 125 A

### Changeover Switch

3 ... 4 pole

#### IP66

Insulated polycarbonate enclosure  
Cover interlock in position 1 and 2



#### Order code structure:

Ordering example: 4 pole Changeover Switch, 100A, H-padlock device:

Type - Switching programme - Mounting form



H410 - 71400 - 976H1

Type	Rated data (IEC 60947)		
	Operational current I <sub>e</sub> AC-21A (A)	Operational power (at 380–440V) AC-23A (kW) AC-3 (kW)	
H406	63	22	18.5
H408	80	30	22
H410	100	37	30
H412	125	45	37

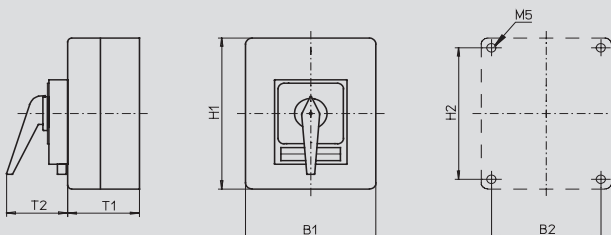
Detailed technical data page 108.

Switching progr.	Poles	Auxiliary contacts			
		n/o pos. 1	n/c pos. 1	n/o pos. 2	n/c pos. 2
71300	3	0	0	0	0
71311	3	1	1	1	1
71322	3	2	0	2	0
71400	4	0	0	0	0

Switching diagrams and further switching programmes (3 ... 4 pole) page 95.

Mounting form	Operator	Padlockable options
976M1	 M-handle silver/black	not padlockable
976H1	 H-padlock device silver/black	OFF position padlockable 12h

Dimensions in mm:



Mounting form	H1	B1	T1	T2	H2	B2
976M1	320	220	180	52	293	193
976H1	320	220	180	83	293	193

Blank gland plates

Insulated enclosure

440 × 320 × 180 mm

63 A / 80 A / 100 A / 125 A

Main/Emergency-Off Switch ■  
Main Switch ■

6 ... 8 pole

IP66

Insulated polycarbonate enclosure  
Cover interlock in ON position



Order code structure:

Ordering example: 8 pole Main Switch, 100A, M-padlock device:

Type - Switching programme - Mounting form

H410 - 41800 - 577M1

Type	Rated data (IEC 60947)		
	Operational current I <sub>e</sub> AC-21A (A)	Operational power (at 380–440V) AC-23A (kW) AC-3 (kW)	
H406	63	22	18.5
H408	80	30	22
H410	100	37	30
H412	125	45	37

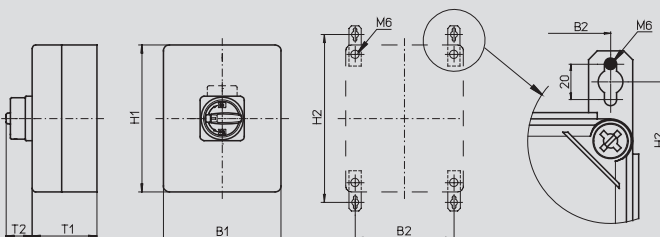
Detailed technical data page 108.

Switching progr.	Poles	Auxiliary contacts	
		n/o	n/c
41600	6	0	0
41611	6	1	1
41620	6	2	0
41800	8	0	0

Switching diagrams and further switching programmes (6 ... 8 pole) page 95.

Mounting form	Operator	Main/Emergency-Off Switch	Mounting form	Operator	Main Switch
577N4		N-padlock device yellow/red	577N1		N-padlock device black
577M4		M-padlock device yellow/red	577M1		M-padlock device black

Dimensions in mm:



Mounting form	H1	B1	T1	T2	H2	B2
577N4/577N1	440	320	180	45	480	293
577M4/577M1	440	320	180	50	480	293

Blank gland plates

# Enclosed switches

# Disconnect Switches

## Insulated enclosure

440 × 320 × 180 mm

160A

- Main/Emergency-Off Switch
- Main Switch

3 ... 4 pole

**IP66**

Insulated polycarbonate enclosure  
Cover interlock in ON position



**Order code structure:** Type - Switching programme - Mounting form  
Ordering example: 3 pole Main Switch, 160A, H-padlock device: K616 - 41300 - 077H1

Type	Rated data (IEC 60947)		
	Operational current I <sub>e</sub> AC-21A (A)	Operational power (at 380–440V) AC-23A (kW) AC-3 (kW)	
K616	160	75	45

Detailed technical data page 108.

Switching progr.	Poles	Auxiliary contacts		Switching diagram	
41300	3	0	0		
41400	4	0	0		

Mounting form	Operator	Main/Emergency-Off Switch	Mounting form	Operator	Main Switch
077H4		H-padlock device yellow/red	077H1		H-padlock device silver/black

**Dimensions in mm:**

Type	H1	H2	B1	B2	T1	T2
K616	440	480	320	293	180	83

Blank gland plates

Insulated enclosure

440 × 320 × 180 mm

63 A / 80 A / 100 A / 125 A

Changeover Switch

3 ... 4 pole

IP66

Insulated polycarbonate enclosure  
Cover interlock in position 1 and 2



Order code structure:

Ordering example: 4 pole Changeover Switch, 125A, H-padlock device:

Type - Switching programme - Mounting form

H412 - 71400 - 576H1

Type	Rated data (IEC 60947)		
	Operational current I <sub>e</sub> AC-21A (A)	Operational power (at 380–440V) AC-23A (kW) AC-3 (kW)	
H406	63	22	18.5
H408	80	30	22
H410	100	37	30
H412	125	45	37

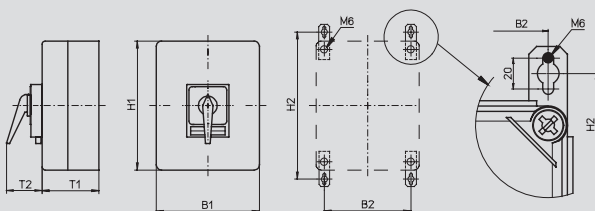
Detailed technical data page 108.

Switching progr.	Poles	Auxiliary contacts			
		n/o pos. 1	n/c pos. 1	n/o pos. 2	n/c pos. 2
71300	3	0	0	0	0
71311	3	1	1	1	1
71322	3	2	0	2	0
71400	4	0	0	0	0

Switching diagrams and further switching programmes (3 ... 4 pole) page 95.

Mounting form	Operator	Padlockable options
576M1	M-handle silver/black	not padlockable
576H1	H-padlock device silver/black	OFF position padlockable 12h

Dimensions in mm:



Mounting form	H1	B1	T1	T2	H2	B2
576M1	440	320	180	52	480	293
576H1	440	320	180	83	480	293

Blank gland plates

Insulated enclosure

440 x 320 x 255 mm

160A

- Main/Emergency-Off Switch
- Main Switch

3 ... 8 pole

IP66

Insulated polycarbonate enclosure  
Cover interlock in ON position



**Order code structure:** Type - Switching programme - Mounting form  
Ordering example: 8 pole Main/Emergency-Off Switch, 160A, H-padlock device: **K616 - 41800 - 177H4**

Type	Rated data (IEC 60947)		
	Operational current I <sub>e</sub> AC-21A (A)	Operational power (at 380–440V) AC-23A (kW) AC-3 (kW)	
K616	160	75	45

Detailed technical data page 108.

Switching progr.	Poles	Auxiliary contacts		Switching progr.	Poles	Auxiliary contacts	
		n/o	n/c			n/o	n/c
3 ... 4 pole:				6 ... 8 pole:			
41311	3	1	1	41600	6	0	0
41320	3	2	0	41611	6	1	1
41411	4	1	1	41620	6	2	0
41420	4	2	0	41800	8	0	0

Switching diagrams and further switching programmes page 95.

Mounting form	Operator	Main/Emergency-Off Switch	Mounting form	Operator	Main Switch
177H4		H-padlock device yellow/red	177H1		H-padlock device silver/black

Dimensions in mm:

Type	H1	H2	B1	B2	T1	T2
K616	440	480	320	293	255	83

Blank gland plates



Insulated enclosure

440 × 320 × 255 mm

160A

Changeover Switch ■

3 ... 4 pole

IP66

Insulated polycarbonate enclosure  
Cover interlock in position 1 and 2



Order code structure:

Ordering example: 3 pole Changeover Switch, 160A, H-padlock device:

Type - Switching programme - Mounting form



K616 - 71300 - 176H1

Type	Rated data (IEC 60947)		
	Operational current I <sub>e</sub> AC-21A (A)	Operational power (at 380–440V) AC-23A (kW) AC-3 (kW)	
K616	160	75	45

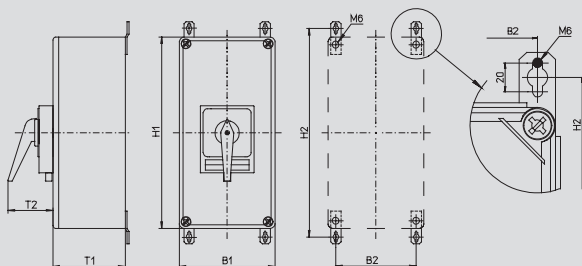
Detailed technical data page 108.

Switching progr.	Poles	Auxiliary contacts			
		n/o pos. 1	n/c pos. 1	n/o pos. 2	n/c pos. 2
71300	3	0	0	0	0
71311	3	1	1	1	1
71322	3	2	0	2	0
71400	4	0	0	0	0

Switching diagrams and further switching programmes (3 ... 4 pole) page 95.

Mounting form	Operator	Padlockable options
176H1	  H-padlock device silver/black	OFF position padlockable 12h

Dimensions in mm:



Type	H1	H2	B1	B2	T1	T2
K616	440	480	320	293	255	83

Blank gland plates

# Enclosed switches

# Disconnect Switches

## Insulated enclosure

640 × 320 × 255 mm

315A

- Main/Emergency-Off Switch
- Main Switch

3 ... 4 pole

IP66

Insulated polycarbonate enclosure  
Cover interlock in ON position



**Order code structure:** Type - Switching programme - Mounting form  
Ordering example: 4 pole Main Switch, 315A, H-padlock device: **K830 - 41400 - 077H1**

Type	Rated data (IEC 60947)		
	Operational current I <sub>e</sub> AC-21A (A)	Operational power (at 380–440V) AC-23A (kW) AC-3 (kW)	
K830	315	132	55

Detailed technical data page 108.

Switching progr.	Poles	Auxiliary contacts		Switching diagram	
41300	3	0	0		
41400	4	0	0		

Mounting form	Operator	Main/Emergency-Off Switch	Mounting form	Operator	Main Switch
077H4		H-padlock device yellow/red	077H1		H-padlock device silver/black

Dimensions in mm:

Type	H1	H2	B1	B2	T1	T2
K830	640	680	320	293	255	93

Blank gland plates

Insulated enclosure

640 × 320 × 330 mm

315A

Main/Emergency-Off Switch ■  
Main Switch ■

3 ... 8 pole

IP66

Insulated polycarbonate enclosure  
Cover interlock in ON position



Order code structure:

Ordering example: 6 pole Main/Emergency-Off Switch, 315A, H-padlock device:

Type - Switching programme - Mounting form

K830 - 41600 - 177H4

Type	Rated data (IEC 60947)		
	Operational current I <sub>e</sub> AC-21A (A)	Operational power (at 380–440V) AC-23A (kW) AC-3 (kW)	
K830	315	132	55

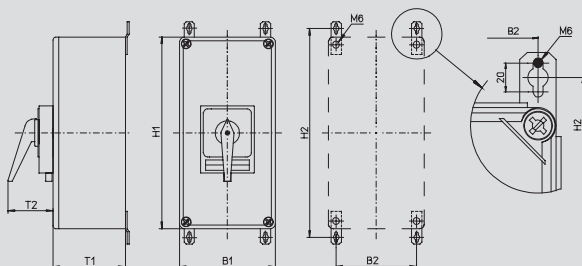
Detailed technical data page 108.

Switching progr.	Poles	Auxiliary contacts		Switching progr.	Poles	Auxiliary contacts	
		n/o	n/c			n/o	n/c
3 ... 4 pole:				6 ... 8 pole:			
41311	3	1	1	41600	6	0	0
41320	3	2	0	41611	6	1	1
41411	4	1	1	41620	6	2	0
41420	4	2	0	41800	8	0	0

Switching diagrams and further switching programmes page 95.

Mounting form	Operator	Main/Emergency-Off Switch	Mounting form	Operator	Main Switch
177H4		H-padlock device yellow/red	177H1		H-padlock device silver/black

Dimensions in mm:



Type	H1	H2	B1	B2	T1	T2
K830	640	680	320	293	330	93

Blank gland plates

Insulated enclosure

640 × 320 × 330 mm

315A

Changeover Switch

3 ... 4 pole

IP66

Insulated polycarbonate enclosure  
Cover interlock in position 1 and 2



**Order code structure:** Type - Switching programme - Mounting form  
Ordering example: 3 pole Changeover Switch, 315A, H-padlock device: **K830 - 71300 - 176H1**

Type	Rated data (IEC 60947)		
	Operational current I <sub>e</sub> AC-21A (A)	Operational power (at 380–440V) AC-23A (kW) AC-3 (kW)	
<b>K830</b>	315	132	55

Detailed technical data page 108.

Switching progr.	Poles	Auxiliary contacts			
		n/o pos. 1	n/c pos. 1	n/o pos. 2	n/c pos. 2
<b>71300</b>	3	0	0	0	0
<b>71311</b>	3	1	1	1	1
<b>71322</b>	3	2	0	2	0
<b>71400</b>	4	0	0	0	0

Switching diagrams and further switching programmes (3 ... 4 pole) page 95.

Mounting form	Operator	Padlockable options
<b>176H1</b>	H-padlock device silver/black	OFF position padlockable 12h

**Dimensions in mm:**

Type	H1	H2	B1	B2	T1	T2
K830	640	680	320	293	330	93

Blank gland plates

Mild steel enclosure

150 × 150 × 120 mm

20A / 25A / 32A



Main/Emergency-Off Switch ■  
Main Switch ■

3 ... 4 pole

IP66

Powder coated mild steel enclosure  
Cover interlock in ON position

Order code structure:

Ordering example: 4 pole Main/Emergency-Off Switch, 20A, N-padlock device:

Type - Switching programme - Mounting form

H216 - 41400 - 087N4

Type	Rated data (IEC 60947)		
	Operational current I <sub>e</sub> AC-21A (A)	Operational power (at 380–440V) AC-23A (kW) AC-3 (kW)	
H216	20	5.5	3.7
H220	25	7.5	5.5
H226	32	11	7.5

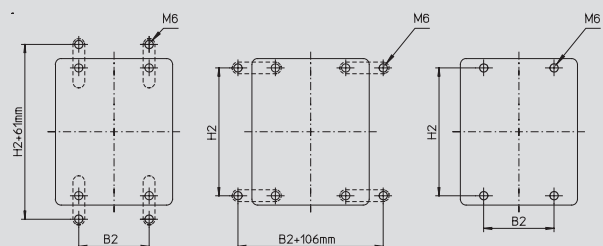
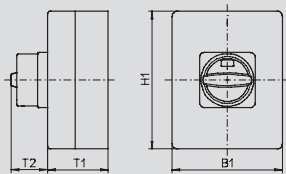
Detailed technical data page 108.

Switching progr.	Poles	Auxiliary contacts	
		n/o	n/c
41300	3	0	0
41311	3	1	1
41320	3	2	0
41400	4	0	0
41411	4	1	1
41420	4	2	0

Switching diagrams and further switching programmes (3 ... 4 pole) page 95.

Mounting form	Operator	Main/Emergency-Off Switch	Mounting form	Operator	Main Switch
087N4		N-padlock device yellow/red	087N1		N-padlock device black
087M4		M-padlock device yellow/red	087M1		M-padlock device black
087V4		padlockable with V-handle yellow/red	087V1		padlockable with V-handle silver/black

Dimensions in mm:



Mounting form	H1	B1	T1	T2	H2	B2
087N4 / 087N1	150	150	120	33	132	85
087M4 / 087M1	150	150	120	38	132	85
087V4 / 087V1	150	150	120	39	132	85

Blank side walls

Mounting brackets see page 105.

# Enclosed switches

# Disconnect Switches

## Mild steel enclosure

200 × 150 × 120 mm

20A / 25A / 32A / 40A

- Main/Emergency-Off Switch
- Main Switch

3 ... 8 pole

### IP66

Powder coated mild steel enclosure  
Cover interlock in ON position



**Order code structure:** Type - Switching programme - Mounting form  
Ordering example: 3 pole Main Switch, 32A, M-padlock device: **H226 - 41300 - 187M1**

Type	Rated data (IEC 60947)		
	Operational current I <sub>e</sub> AC-21A (A)	Operational power (at 380–440V) AC-23A (kW) AC-3 (kW)	
H216	20	5.5	3.7
H220	25	7.5	5.5
H226	32	11	7.5
H233	40	15	11

Detailed technical data page 108.

Switching progr.	Poles	Auxiliary contacts		Switching progr.	Poles	Auxiliary contacts	
		n/o	n/c			n/o	n/c
3 ... 4 pole:				6 ... 8 pole:			
41300	3	0	0	41600	6	0	0
41311	3	1	1	41611	6	1	1
41320	3	2	0	41620	6	2	0
41400	4	0	0	41800	8	0	0
41411	4	1	1				
41420	4	2	0				

Switching diagrams and further switching programmes page 95.

Mounting form	Operator	Main/Emergency-Off Switch	Mounting form	Operator	Main Switch
187N4		N-padlock device yellow/red	187N1		N-padlock device black
187M4		M-padlock device yellow/red	187M1		M-padlock device black
187V4		padlockable with V-handle yellow/red	187V1		padlockable with V-handle silver/black

Dimensions in mm:

Mounting form	H1	B1	T1	T2	H2	B2
187N4 / 187N1	200	150	120	33	182	85
187M4 / 187M1	200	150	120	38	182	85
187V4 / 187V1	200	150	120	39	182	85

Blank side walls  
Mounting brackets see page 105.



**Main/Emergency-Off Switch** ■  
**Main Switch** ■

3 ... 4 pole

**IP66**

Powder coated mild steel enclosure  
Cover interlock in ON position

**Order code structure:**

Ordering example: 3 pole Main/Emergency-Off Switch, 63A, M-padlock device:

Type - Switching programme - Mounting form

H406 - 41300 - 987M4

Type	Rated data (IEC 60947)		
	Operational current I <sub>e</sub> AC-21A (A)	Operational power (at 380–440V) AC-23A (kW) AC-3 (kW)	
H406	63	22	18.5
H408	80	30	22

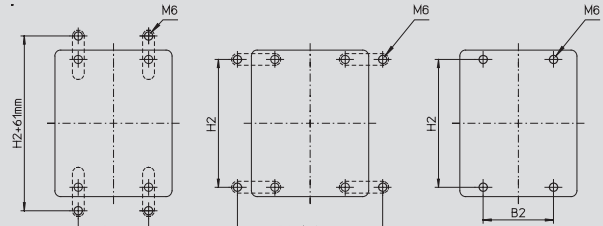
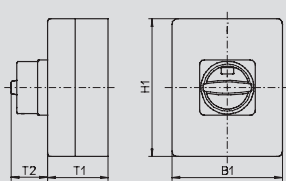
Detailed technical data page 108.

Switching progr.	Poles	Auxiliary contacts		Switching progr.	Poles	Auxiliary contacts	
		n/o	n/c			n/o	n/c
41300	3	0	0	46300	3	0	0 (with N-terminal)
41311	3	1	1	46311	3	1	1 (with N-terminal)
41320	3	2	0	46320	3	2	0 (with N-terminal)
41400	4	0	0				
41411	4	1	1				
41420	4	2	0				

Switching diagrams and further switching programmes (3 ... 4 pole) page 95.

Mounting form	Operator	Main/Emergency-Off Switch	Mounting form	Operator	Main Switch
987N4	■ ■ ■ ■	N-padlock device yellow/red	987N1	■ ■ ■ ■	N-padlock device black
987M4	■ ■ ■ ■	M-padlock device yellow/red	987M1	■ ■ ■ ■	M-padlock device black

**Dimensions in mm:**



Mounting form	H1	B1	T1	T2	H2	B2
987N4/987N1	200	150	120	45	182	85
987M4/987M1	200	150	120	50	182	85

Blank side walls  
Mounting brackets see page 105.

Mild steel enclosure

200 × 150 × 120 mm

20A / 25A / 32A / 40A

## Changeover Switch

3 ... 4 pole

**IP66**

Powder coated mild steel enclosure  
Cover interlock in position 1 and 2



**Order code structure:**

Ordering example: 3 pole Changeover Switch, 20A, padlockable with V-handle:

Type - Switching programme - Mounting form

H216 - 71300 - 188V1

Type	Rated data (IEC 60947)		
	Operational current I <sub>e</sub> AC-21A (A)	Operational power (at 380–440V) AC-23A (kW) AC-3 (kW)	
H216	20	5.5	3.7
H220	25	7.5	5.5
H226	32	11	7.5
H233	40	15	11

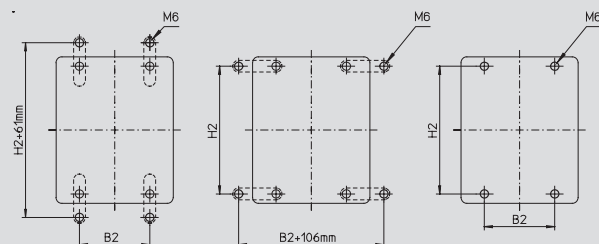
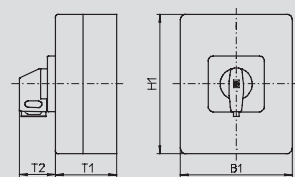
Detailed technical data page 108.

Switching progr.	Poles	Auxiliary contacts			
		n/o pos. 1	n/c pos. 1	n/o pos. 2	n/c pos. 2
71300	3	0	0	0	0
71311	3	1	1	1	1
71322	3	2	0	2	0
71400	4	0	0	0	0

Switching diagrams and further switching programmes (3 ... 4 pole) page 95.

Mounting form	Operator	Padlockable options
188M1	M-handle silver/black	not padlockable
186V1	padlockable with V-handle silver/black	OFF position padlockable 12h
188V1	padlockable with V-handle silver/black	3 positions padlockable (09h/12h/03h)

Dimensions in mm:



Blank side walls

Mounting brackets see page 105.

Mounting form	H1	B1	T1	T2	H2	B2
188M1 / 186V1 / 188V1	200	150	120	39	182	85



Mild steel enclosure

300 × 250 × 150 mm

63 A / 80 A / 100 A / 125 A

**Main/Emergency-Off Switch** ■  
**Main Switch** ■

3 ... 8 pole

**IP66**

Powder coated mild steel enclosure  
Cover interlock in ON position



**Order code structure:**

Ordering example: 4 pole Main Switch, 80A, N-padlock device:

Type - Switching programme - Mounting form

H408 - 41400 - 187N1

Type	Rated data (IEC 60947)		
	Operational current I <sub>e</sub> AC-21A (A)	Operational power (at 380–440V) AC-23A (kW) AC-3 (kW)	
H406	63	22	18.5
H408	80	30	22
H410	100	37	30
H412	125	45	37

Detailed technical data page 108.

Switching progr.	Poles	Auxiliary contacts		Switching progr.	Poles	Auxiliary contacts	
		n/o	n/c			n/o	n/c
3 ... 4 pole:				6 ... 8 pole:			
41300	3	0	0	41600	6	0	0
41311	3	1	1	41611	6	1	1
41320	3	2	0	41620	6	2	0
41400	4	0	0	41800	8	0	0
41411	4	1	1				
41420	4	2	0				

Switching diagrams and further switching programmes page 95.

Mounting form	Main/Emergency-Off Switch		Mounting form	Main Switch	
	Operator			Operator	
187N4		N-padlock device yellow/red	187N1		N-padlock device black
187M4		M-padlock device yellow/red	187M1		M-padlock device black

Dimensions in mm:

Mounting form	H1	B1	T1	T2	H2	B2
187N4 / 187N1	300	250	150	45	282	185
187M4 / 187M1	300	250	150	50	282	185

Blank side walls  
Mounting brackets see page 105.

## Mild steel enclosure

300 × 250 × 150 mm

63A / 80A / 100A / 125A

### Changeover Switch

3 ... 4 pole

#### IP66

Powder coated mild steel enclosure  
Cover interlock in position 1 and 2



#### Order code structure:

Ordering example: 4 pole Changeover Switch, 80A, H-padlock device:

Type - Switching programme - Mounting form

H408 - 71400 - 186H1

Type	Rated data (IEC 60947)		
	Operational current I <sub>e</sub> AC-21A (A)	Operational power (at 380–440V) AC-23A (kW) AC-3 (kW)	
H406	63	22	18.5
H408	80	30	22
H410	100	37	30
H412	125	45	37

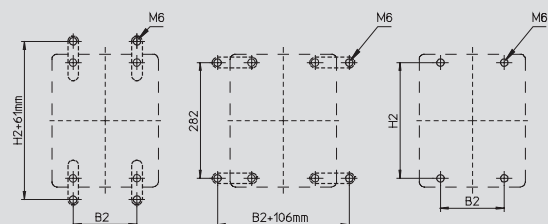
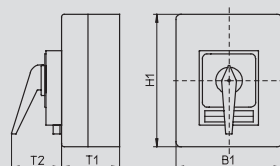
Detailed technical data page 108.

Switching progr.	Poles	Auxiliary contacts			
		n/o pos. 1	n/c pos. 1	n/o pos. 2	n/c pos. 2
71300	3	0	0	0	0
71311	3	1	1	1	1
71322	3	2	0	2	0
71400	4	0	0	0	0

Switching diagrams and further switching programmes (3 ... 4 pole) page 95.

Mounting form	Operator	Padlockable options
186M1	M-handle silver/black	not padlockable
186H1	H-padlock device silver/black	OFF position padlockable 12h

Dimensions in mm:



Blank side walls

Mounting brackets see page 105.

Mounting form	H1	B1	T1	T2	H2	B2
186M1	300	250	150	52	282	185
186H1	300	250	150	83	282	185

Mild steel enclosure

500 × 400 × 300 mm

160A

Main/Emergency-Off Switch ■  
Main Switch ■

3 ... 8 pole

IP66

Powder coated mild steel enclosure  
Cover interlock in ON position



Order code structure:

Ordering example: 3 pole Main/Emergency-Off Switch, 160A, H-padlock device:

Type - Switching programme - Mounting form

K616 - 41300 - 187H4

Type	Rated data (IEC 60947)		
	Operational current I <sub>e</sub> AC-21A (A)	Operational power (at 380–440V) AC-23A (kW) AC-3 (kW)	
K616	160	75	45

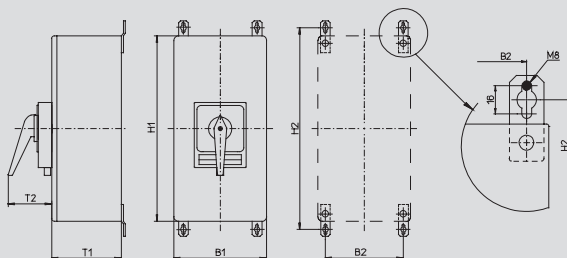
Detailed technical data page 108.

Switching progr.	Poles	Auxiliary contacts		Switching progr.	Poles	Auxiliary contacts	
		n/o	n/c			n/o	n/c
3 ... 4 pole:				6 ... 8 pole:			
41300	3	0	0	41600	6	0	0
41311	3	1	1	41611	6	1	1
41320	3	2	0	41620	6	2	0
41400	4	0	0	41800	8	0	0
41411	4	1	1				
41420	4	2	0				

Switching diagrams and further switching programmes page 95.

Mounting form	Operator	Main/Emergency-Off Switch	Mounting form	Operator	Main Switch
187H4		H-padlock device yellow/red	187H1		H-padlock device silver/black

Dimensions in mm:



Type	H1	H2	B1	B2	T1	T2
K616	500	545	400	360	300	83

Blank gland plate

Mild steel enclosure

500 × 400 × 300 mm

160A

Changeover Switch

3 ... 4 pole

IP66

Powder coated mild steel enclosure  
Cover interlock in position 1 and 2



Order code structure:

Ordering example: 3 pole Changeover Switch, 160A, H-padlock device:

Type - Switching programme - Mounting form



K616 - 71300 - 186H1

Type	Rated data (IEC 60947)		
	Operational current I <sub>e</sub> AC-21A (A)	Operational power (at 380–440V) AC-23A (kW) AC-3 (kW)	
K616	160	75	45

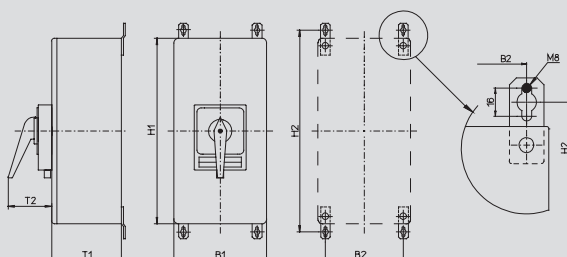
Detailed technical data page 108.

Switching progr.	Poles	Auxiliary contacts			
		n/o pos. 1	n/c pos. 1	n/o pos. 2	n/c pos. 2
71300	3	0	0	0	0
71311	3	1	1	1	1
71322	3	2	0	2	0
71400	4	0	0	0	0

Switching diagrams and further switching programmes (3 ... 4 pole) page 95.

Mounting form	Operator	Padlockable options
186H1	  H-padlock device silver/black	OFF position padlockable 12h

Dimensions in mm:



Type	H1	H2	B1	B2	T1	T2
K616	500	545	400	360	300	83

Blank gland plate

**Main/Emergency-Off Switch** ■  
**Main Switch** ■

3 ... 8 pole

**IP66**

Powder coated mild steel enclosure  
Cover interlock in ON position



**Order code structure:**

Ordering example: 4 pole Main/Emergency-Off Switch, 315A, H-padlock device:

Type - Switching programme - Mounting form

K830 - 41400 - 187H4

Type	Rated data (IEC 60947)		
	Operational current I <sub>e</sub> AC-21A (A)	Operational power (at 380–440V) AC-23A (kW) AC-3 (kW)	
K830	315	132	55

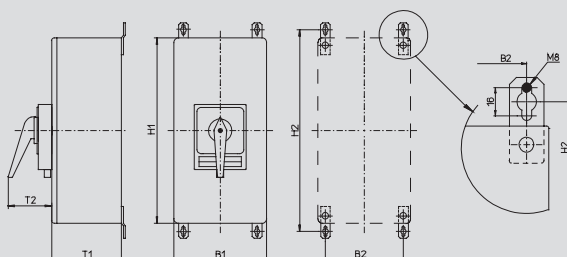
Detailed technical data page 108.

Switching progr.	Poles	Auxiliary contacts		Switching progr.	Poles	Auxiliary contacts	
		n/o	n/c			n/o	n/c
3 ... 4 pole:				6 ... 8 pole:			
41300	3	0	0	41600	6	0	0
41311	3	1	1	41611	6	1	1
41320	3	2	0	41620	6	2	0
41400	4	0	0	41800	8	0	0
41411	4	1	1				
41420	4	2	0				

Switching diagrams and further switching programmes page 95.

Mounting form	Operator	Main/Emergency-Off Switch	Mounting form	Operator	Main Switch
187H4		H-padlock device yellow/red	187H1		H-padlock device silver/black

Dimensions in mm:



Type	H1	H2	B1	B2	T1	T2
K830	600	645	400	360	300	93

Blank gland plate

Mild steel enclosure

600 × 400 × 300 mm

315A

Changeover Switch

3 ... 4 pole

IP66

Powder coated mild steel enclosure  
Cover interlock in position 1 and 2





**Order code structure:** Type - Switching programme - Mounting form  
Ordering example: 4 pole Changeover Switch, 315A, H-padlock device: **K830 - 71400 - 186H1**

Type	Rated data (IEC 60947)		
	Operational current I <sub>e</sub> AC-21A (A)	Operational power (at 380–440V) AC-23A (kW) AC-3 (kW)	
K830	315	132	55

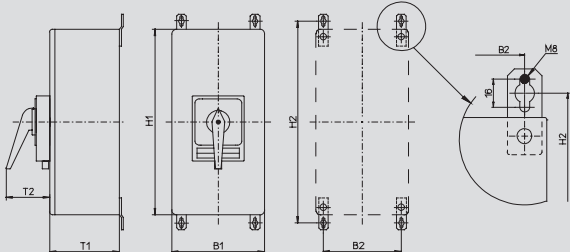
Detailed technical data page 108.

Switching progr.	Poles	Auxiliary contacts			
		n/o pos. 1	n/c pos. 1	n/o pos. 2	n/c pos. 2
71300	3	0	0	0	0
71311	3	1	1	1	1
71322	3	2	0	2	0
71400	4	0	0	0	0

Switching diagrams and further switching programmes (3 ... 4 pole) page 95.

Mounting form	Operator	Padlockable options
186H1	  H-padlock device silver/black	OFF position padlockable 12h

Dimensions in mm:



Type	H1	H2	B1	B2	T1	T2
K830	600	645	400	360	300	93

Blank gland plate

Mild steel enclosure

800 × 400 × 300 mm

315A

Main/Emergency-Off Switch ■  
Main Switch ■

6 ... 8 pole

IP66

Powder coated mild steel enclosure  
Cover interlock in ON position



Order code structure:

Ordering example: 8 pole Main Switch, 315A, H-padlock device:

Type - Switching programme - Mounting form

K830 - 41800 - 287H1

Type	Rated data (IEC 60947)		
	Operational current I <sub>o</sub> AC-21A (A)	Operational power (at 380–440V) AC-23A (kW) AC-3 (kW)	
K830	315	132	55

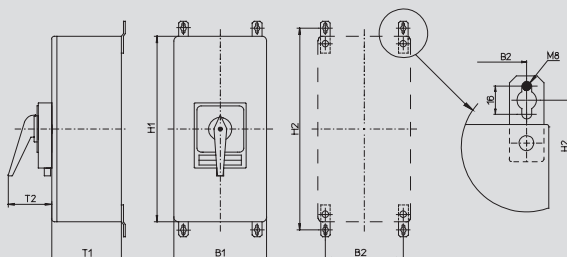
Detailed technical data page 108.

Switching progr.	Poles	Auxiliary contacts	
		n/o	n/c
41600	6	0	0
41611	6	1	1
41620	6	2	0
41800	8	0	0

Switching diagrams and further switching programmes page 95.

Mounting form	Operator	Main/Emergency-Off Switch	Mounting form	Operator	Main Switch
287H4		H-padlock device yellow/red	287H1		H-padlock device silver/black

Dimensions in mm:



Type	H1	H2	B1	B2	T1	T2
K830	800	845	400	360	300	93

Blank gland plate

Mild steel enclosure

800 × 400 × 300 mm

315A

## Changeover Switch

3 ... 4 pole

**IP66**

Powder coated mild steel enclosure  
Cover interlock in position 1 and 2



**Order code structure:**

Ordering example: 4 pole Changeover Switch, 315A, H-padlock device:

Type - Switching programme - Mounting form



K830 - 71400 - 286H1

Type	Rated data (IEC 60947)		
	Operational current I <sub>e</sub> AC-21A (A)	Operational power (at 380–440V) AC-23A (kW) AC-3 (kW)	
K830	315	132	55

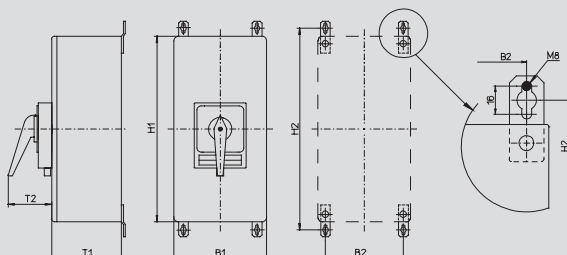
Detailed technical data page 108.

Switching progr.	Poles	Auxiliary contacts			
		n/o pos. 1	n/c pos. 1	n/o pos. 2	n/c pos. 2
71300	3	0	0	0	0
71311	3	1	1	1	1
71322	3	2	0	2	0
71400	4	0	0	0	0

Switching diagrams and further switching programmes (3 ... 4 pole) page 95.

Mounting form	Operator	Padlockable options
286H1	  H-padlock device silver/black	OFF position padlockable 12h

Dimensions in mm:



Type	H1	H2	B1	B2	T1	T2
K830	800	845	400	360	300	93

Blank gland plate





Main/Emergency-Off Switch ■  
Main Switch ■

3 ... 4 pole

IP66

Brushed stainless steel enclosure  
Cover interlock in ON position

Order code structure:

Ordering example: 3 pole Main/Emergency-Off Switch, 25A, N-padlock device:

Type - Switching programme - Mounting form

H220 - 41300 - 097N4

Type	Rated data (IEC 60947)		
	Operational current I <sub>e</sub> AC-21A (A)	Operational power (at 380–440V) AC-23A (kW) AC-3 (kW)	
H216	20	5.5	3.7
H220	25	7.5	5.5
H226	32	11	7.5

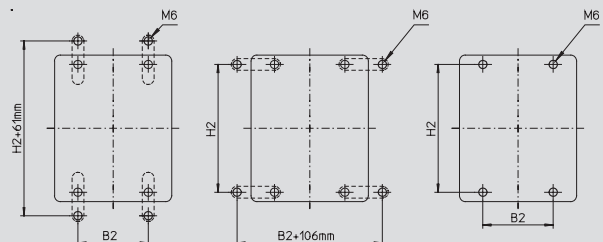
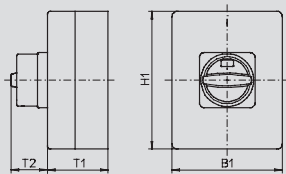
Detailed technical data page 108.

Switching progr.	Poles	Auxiliary contacts	
		n/o	n/c
41300	3	0	0
41311	3	1	1
41320	3	2	0
41400	4	0	0
41411	4	1	1
41420	4	2	0

Switching diagrams and further switching programmes (3 ... 4 pole) page 95.

Mounting form	Operator	Main/Emergency-Off Switch	Mounting form	Operator	Main Switch
097N4		N-padlock device yellow/red	097N1		N-padlock device black
097M4		M-padlock device yellow/red	097M1		M-padlock device black
097V4		padlockable with V-handle yellow/red	097V1		padlockable with V-handle silver/black

Dimensions in mm:



Mounting form	H1	B1	T1	T2	H2	B2
097N4 / 097N1	150	150	120	33	132	85
097M4 / 097M1	150	150	120	38	132	85
097V4 / 097V1	150	150	120	39	132	85

Blank side walls  
Mounting brackets see page 105.

# Enclosed switches

# Disconnect Switches

## Stainless steel enclosure

200 × 150 × 120 mm

20A / 25A / 32A / 40A

- Main/Emergency-Off Switch
- Main Switch

3 ... 8 pole

### IP66

Brushed stainless steel enclosure  
Cover interlock in ON position



**Order code structure:** Type - Switching programme - Mounting form  
Ordering example: 6 pole Main Switch, 32A, M-padlock device: H226 - 41600 - 197M1

Type	Rated data (IEC 60947)		
	Operational current I <sub>e</sub> AC-21A (A)	Operational power (at 380–440V) AC-23A (kW) AC-3 (kW)	
H216	20	5.5	3.7
H220	25	7.5	5.5
H226	32	11	7.5
H233	40	15	11

Detailed technical data page 108.

Switching progr.	Poles	Auxiliary contacts		Switching progr.	Poles	Auxiliary contacts	
		n/o	n/c			n/o	n/c
3 ... 4 pole:				6 ... 8 pole:			
41300	3	0	0	41600	6	0	0
41311	3	1	1	41611	6	1	1
41320	3	2	0	41620	6	2	0
41400	4	0	0	41800	8	0	0
41411	4	1	1				
41420	4	2	0				

Switching diagrams and further switching programmes page 95.

Mounting form	Operator	Main/Emergency-Off Switch		Mounting form	Operator	Main Switch	
197N4		🔒🔒	N-padlock device yellow/red	197N1		🔒🔒	N-padlock device black
197M4		🔒🔒	M-padlock device yellow/red	197M1		🔒🔒	M-padlock device black
197V4		🔒🔒	padlockable with V-handle yellow/red	197V1		🔒🔒	padlockable with V-handle silver/black

Dimensions in mm:

Mounting form	H1	B1	T1	T2	H2	B2
197N4 / 197N1	200	150	120	33	182	85
197M4 / 197M1	200	150	120	38	182	85
197V4 / 197V1	200	150	120	39	182	85

Blank side walls  
Mounting brackets see page 105.



**Main/Emergency-Off Switch** ■  
**Main Switch** ■

3 ... 4 pole

**IP66**

Brushed stainless steel enclosure  
Cover interlock in ON position

**Order code structure:**

Ordering example: 3 pole Main/Emergency-Off Switch, 63A, M-padlock device:

Type - Switching programme - Mounting form

H406 - 41300 - 997M4

Type	Rated data (IEC 60947)		
	Operational current I <sub>e</sub> AC-21A (A)	Operational power (at 380–440V) AC-23A (kW) AC-3 (kW)	
H406	63	22	18.5
H408	80	30	22

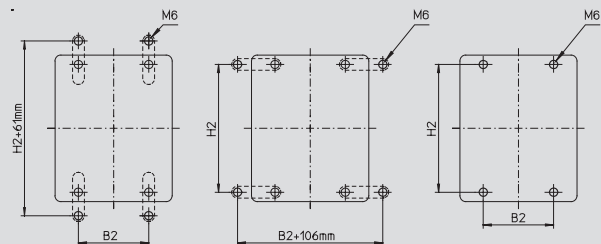
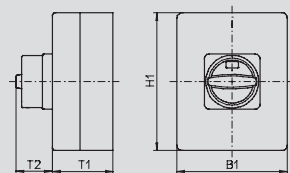
Detailed technical data page 108.

Switching progr.	Poles	Auxiliary contacts		Switching progr.	Poles	Auxiliary contacts	
41300	3	0	0	46300	3	0	0 (with N-terminal)
41311	3	1	1	46311	3	1	1 (with N-terminal)
41320	3	2	0	46320	3	2	0 (with N-terminal)
41400	4	0	0				
41411	4	1	1				
41420	4	2	0				

Switching diagrams and further switching programmes (3 ... 4 pole) page 95.

Mounting form	Operator	Main/Emergency-Off Switch	Mounting form	Operator	Main Switch
997N4		N-padlock device yellow/red	997N1		N-padlock device black
997M4		M-padlock device yellow/red	997M1		M-padlock device black

**Dimensions in mm:**



Mounting form	H1	B1	T1	T2	H2	B2
997N4 / 997N1	200	150	120	45	182	85
997M4 / 997M1	200	150	120	50	182	85

Blank side walls  
Mounting brackets see page 105.

Stainless steel enclosure

200 x 150 x 120 mm

20A / 25A / 32A / 40A

Changeover Switch

3 ... 4 pole

IP66

Brushed stainless steel enclosure  
Cover interlock in position 1 and 2



**Order code structure:** Type - Switching programme - Mounting form  
Ordering example: 3 pole Changeover Switch, 20A, padlockable with V-handle: **H216 - 71300 - 198V1**

Type	Rated data (IEC 60947)		
	Operational current I <sub>e</sub> AC-21A (A)	Operational power (at 380–440V) AC-23A (kW) AC-3 (kW)	
H216	20	5.5	3.7
H220	25	7.5	5.5
H226	32	11	7.5
H233	40	15	11

Detailed technical data page 108.

Switching progr.	Poles	Auxiliary contacts			
		n/o pos. 1	n/c pos. 1	n/o pos. 2	n/c pos. 2
71300	3	0	0	0	0
71311	3	1	1	1	1
71322	3	2	0	2	0
71400	4	0	0	0	0

Switching diagrams and further switching programmes (3 ... 4 pole) page 95.

Mounting form	Operator	Padlockable options
198M1	M-handle silver/black	not padlockable
196V1	padlockable with V-handle silver/black	OFF position padlockable 12h
198V1	padlockable with V-handle silver/black	3 positions padlockable (09h/12h/03h)

Dimensions in mm:

Mounting form	H1	B1	T1	T2	H2	B2
196V1 / 198V1 / 198M1	200	150	120	39	182	85

Blank side walls  
Mounting brackets see page 105.

Stainless steel enclosure

300 × 250 × 150 mm

63 A / 80 A / 100 A / 125 A

Main/Emergency-Off Switch ■  
Main Switch ■

3 ... 8 pole

IP66

Brushed stainless steel enclosure  
Cover interlock in ON position



**Order code structure:**

Ordering example: 4 pole Main Switch, 80A, M-padlock device:

Type - Switching programme - Mounting form

H408 - 41400 - 197M1

Type	Rated data (IEC 60947)		
	Operational current I <sub>e</sub> AC-21A (A)	Operational power (at 380–440V) AC-23A (kW) AC-3 (kW)	
H406	63	22	18.5
H408	80	30	22
H410	100	37	30
H412	125	45	37

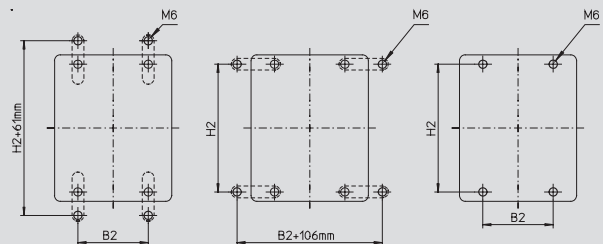
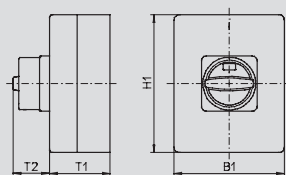
Detailed technical data page 108.

Switching progr.	Poles	Auxiliary contacts		Switching progr.	Poles	Auxiliary contacts	
		n/o	n/c			n/o	n/c
3 ... 4 pole:				6 ... 8 pole:			
41300	3	0	0	41600	6	0	0
41311	3	1	1	41611	6	1	1
41320	3	2	0	41620	6	2	0
41400	4	0	0	41800	8	0	0
41411	4	1	1				
41420	4	2	0				

Switching diagrams and further switching programmes page 95.

Mounting form	Main/Emergency-Off Switch		Mounting form	Main Switch	
	Operator			Operator	
197N4		N-padlock device yellow/red	197N1		N-padlock device black
197M4		M-padlock device yellow/red	197M1		M-padlock device black

**Dimensions in mm:**



Mounting form	H1	B1	T1	T2	H2	B2
197N4 / 197N1	300	250	150	45	282	185
197M4 / 197M1	300	250	150	50	282	185

Blank side walls  
Mounting brackets see page 105.

## Stainless steel enclosure

300 × 250 × 150 mm

63A / 80A / 100A / 125A

### Changeover Switch

3 ... 4 pole

#### IP66

Brushed stainless steel enclosure  
Cover interlock in position 1 and 2



#### Order code structure:

Ordering example: 3 pole Changeover Switch, 63A, H-padlock device:

Type - Switching programme - Mounting form



H406 - 71300 - 196H1

Type	Rated data (IEC 60947)		
	Operational current I <sub>e</sub> AC-21A (A)	Operational power (at 380–440V) AC-23A (kW) AC-3 (kW)	
H406	63	22	18.5
H408	80	30	22
H410	100	37	30
H412	125	45	37

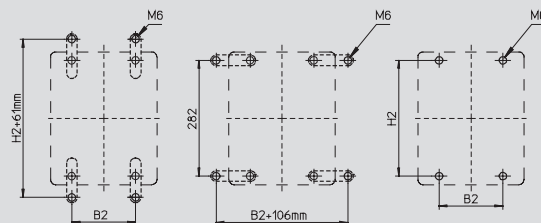
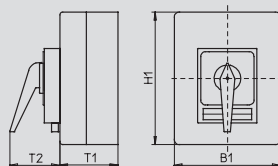
Detailed technical data page 108.

Switching progr.	Poles	Auxiliary contacts			
		n/o pos. 1	n/c pos. 1	n/o pos. 2	n/c pos. 2
71300	3	0	0	0	0
71311	3	1	1	1	1
71322	3	2	0	2	0
71400	4	0	0	0	0

Switching diagrams and further switching programmes (3 ... 4 pole) page 95.

Mounting form	Operator	Padlockable options
196M1	 M-handle silver/black	not padlockable
196H1	 H-padlock device silver/black	OFF position padlockable 12h

#### Dimensions in mm:



Mounting form	H1	B1	T1	T2	H2	B2
196M1	300	250	150	52	282	185
196H1	300	250	150	83	282	185

Blank side walls  
Mounting brackets see page 105.

Switching diagrams 41300–41420

<b>41300</b>	1/L1   3/L2   5/L3
	2/T1   4/T2   6/T3
SMD	41300

**Main/Emergency-Off Switches · Main Switches · ON-OFF Switches**  
 Switching programme 41300  
 3 pole without auxiliary contacts

<b>41311</b>	1/L1   3/L2   5/L3	21   13
	2/T1   4/T2   6/T3	22   14
SMD	41300	MB

**Main/Emergency-Off Switches · Main Switches · ON-OFF Switches**  
 Switching programme 41311  
 3 pole with 2 auxiliary contacts  
 1 n/o late make/early break + 1 n/c

<b>41320</b>	1/L1   3/L2   5/L3	33   43
	2/T1   4/T2   6/T3	34   44
SMD	41300	MD

**Main/Emergency-Off Switches · Main Switches · ON-OFF Switches**  
 Switching programme 41320  
 3 pole with 2 auxiliary contacts  
 2 n/o late make/early break

<b>41322</b>	24   32	1/L1   3/L2   5/L3	21   13
	23   31	2/T1   4/T2   6/T3	22   14
SMD	MC	41300	MB

**Main/Emergency-Off Switches · Main Switches · ON-OFF Switches**  
 Switching programme 41322  
 3 pole with 4 auxiliary contacts  
 2 n/o late make/early break + 2 n/c

<b>41331</b>	44   34	1/L1   3/L2   5/L3	21   13
	43   33	2/T1   4/T2   6/T3	22   14
SMD	MD	41300	MB

**Main/Emergency-Off Switches · Main Switches · ON-OFF Switches**  
 Switching programme 41331  
 3 pole with 4 auxiliary contacts  
 3 n/o late make/early break + 1 n/c

<b>41340</b>	64   54	1/L1   3/L2   5/L3	33   43
	63   53	2/T1   4/T2   6/T3	34   44
SMD	ME	41300	MD

**Main/Emergency-Off Switches · Main Switches · ON-OFF Switches**  
 Switching programme 41340  
 3 pole with 4 auxiliary contacts  
 4 n/o late make/early break

<b>41400</b>	1/L1   3/L2   5/L3	N
	2/T1   4/T2   6/T3	N
SMD	41300	MA

**Main/Emergency-Off Switches · Main Switches · ON-OFF Switches**  
 Switching programme 41400  
 4 pole without auxiliary contacts  
 neutral contact early make/late break

<b>41411</b>	14   22	1/L1   3/L2   5/L3	N
	13   21	2/T1   4/T2   6/T3	N
SMD	MB	41300	MA

**Main/Emergency-Off Switches · Main Switches · ON-OFF Switches**  
 Switching programme 41411  
 4 pole with 2 auxiliary contacts  
 1 n/o late make/early break + 1 n/c  
 neutral contact early make/late break

<b>41420</b>	44   34	1/L1   3/L2   5/L3	N
	43   33	2/T1   4/T2   6/T3	N
SMD	MD	41300	MA

**Main/Emergency-Off Switches · Main Switches · ON-OFF Switches**  
 Switching programme 41420  
 4 pole with 2 auxiliary contacts  
 2 n/o late make/early break  
 neutral contact early make/late break

Switching diagrams 41600–46300

<b>41600</b>	1L1   1L2   1L3   2L1   2L2   2L3
	1T1   1T2   1T3   2T1   2T2   2T3
SMD	41600

**Main/Emergency-Off Switches · Main Switches · ON-OFF Switches**  
 Switching programme 41600  
 6 pole without auxiliary contacts

<b>41611</b>	1L1   1L2   1L3   2L1   2L2   2L3	21   13
	1T1   1T2   1T3   2T1   2T2   2T3	22   14
SMD	41600	MB

**Main/Emergency-Off Switches · Main Switches · ON-OFF Switches**  
 Switching programme 41611  
 6 pole with 2 auxiliary contacts  
 1 n/o late make/early break + 1 n/c

<b>41620</b>	1L1   1L2   1L3   2L1   2L2   2L3	33   43
	1T1   1T2   1T3   2T1   2T2   2T3	34   44
SMD	41600	MD

**Main/Emergency-Off Switches · Main Switches · ON-OFF Switches**  
 Switching programme 41620  
 6 pole with 2 auxiliary contacts  
 2 n/o late make/early break

<b>41622</b>	24   32	1L1   1L2   1L3   2L1   2L2   2L3	21   13
	23   31	1T1   1T2   1T3   2T1   2T2   2T3	22   14
SMD	MC	41600	MB

**Main/Emergency-Off Switches · Main Switches · ON-OFF Switches**  
 Switching programme 41622  
 6 pole with 4 auxiliary contacts  
 2 n/o late make/early break + 2 n/c

<b>41631</b>	44   34	1L1   1L2   1L3   2L1   2L2   2L3	21   13
	43   33	1T1   1T2   1T3   2T1   2T2   2T3	22   14
SMD	MD	41600	MB

**Main/Emergency-Off Switches · Main Switches · ON-OFF Switches**  
 Switching programme 41631  
 6 pole with 4 auxiliary contacts  
 3 n/o late make/early break + 1 n/c

<b>41640</b>	64   54	1L1   1L2   1L3   2L1   2L2   2L3	33   43
	63   53	1T1   1T2   1T3   2T1   2T2   2T3	34   44
SMD	ME	41600	MD

**Main/Emergency-Off Switches · Main Switches · ON-OFF Switches**  
 Switching programme 41640  
 6 pole with 4 auxiliary contacts  
 4 n/o late make/early break

<b>41800</b>	N	1L1   1L2   1L3   2L1   2L2   2L3	N
	N	1T1   1T2   1T3   2T1   2T2   2T3	N
SMD	MA	41600	MA

**Main/Emergency-Off Switches · Main Switches · ON-OFF Switches**  
 Switching programme 41800  
 8 pole without auxiliary contacts  
 2 neutral contacts early make/late break

<b>45300</b>	PE	1/L1   3/L2   5/L3	N
	PE	2/T1   4/T2   6/T3	N
SMD	MG	41300	MF

**Main/Emergency-Off Switches · Main Switches · ON-OFF Switches**  
 Switching programme 45300  
 3 pole without auxiliary contacts  
 with N and PE-terminals

<b>46300</b>	1/L1   3/L2   5/L3	N
	2/T1   4/T2   6/T3	N
SMD	41300	MF

**Main/Emergency-Off Switches · Main Switches · ON-OFF Switches**  
 Switching programme 46300  
 3 pole without auxiliary contacts  
 with N-terminal



Switching diagrams 46311–71202

<b>46311</b>	14	22	1/L1	3/L2	5/L3	N
			2/T1	4/T2	6/T3	N
SMD	MB		41300			MF

**Main/Emergency-Off Switches · Main Switches · ON-OFF Switches**  
 Switching programme 46311  
 3 pole with 2 auxiliary contacts  
 1 n/o late make/early break + 1 n/c  
 with N-terminal

<b>46320</b>	44	34	1/L1	3/L2	5/L3	N
			2/T1	4/T2	6/T3	N
SMD	MD		41300			MF

**Main/Emergency-Off Switches · Main Switches · ON-OFF Switches**  
 Switching programme 46320  
 3 pole with 2 auxiliary contacts  
 2 n/o late make/early break  
 with N-terminal

<b>47300</b>	1/L1	3/L2	5/L3	PE
			2/T1	4/T2
SMD	41300			MG

**Main/Emergency-Off Switches · Main Switches · ON-OFF Switches**  
 Switching programme 47300  
 3 pole without auxiliary contacts  
 with PE-terminal

<b>47311</b>	14	22	1/L1	3/L2	5/L3	PE
			2/T1	4/T2	6/T3	PE
SMD	MB		41300			MG

**Main/Emergency-Off Switches · Main Switches · ON-OFF Switches**  
 Switching programme 47311  
 3 pole with 2 auxiliary contacts  
 1 n/o late make/early break + 1 n/c  
 with PE-terminal

<b>47320</b>	44	34	1/L1	3/L2	5/L3	PE
			2/T1	4/T2	6/T3	PE
SMD	MD		41300			MG

**Main/Emergency-Off Switches · Main Switches · ON-OFF Switches**  
 Switching programme 47320  
 3 pole with 2 auxiliary contacts  
 2 n/o late make/early break  
 with PE-terminal

<b>47400</b>	N	1/L1	3/L2	5/L3	PE	
			2/T1	4/T2	6/T3	PE
SMD	MA		41300			MG

**Main/Emergency-Off Switches · Main Switches · ON-OFF Switches**  
 Switching programme 47400  
 4 pole without auxiliary contacts  
 neutral contact early make/late break  
 with PE-terminal

<b>71200</b>	1L1	1L2	1L3	2L1	2L2	2L3	
			1T1	1T2	1T3	2T1	2T2
SMD	71200						

**Changeover Switches**  
 Switching programme 71200  
 2 pole without auxiliary contacts

<b>71201</b>	1L1	1L2	1L3	2L1	2L2	2L3	21	13	Stellung/Position
			1T1	1T2	1T3	2T1	2T2	2T3	
SMD	71200						MB		2

**Changeover Switches**  
 Switching programme 71201  
 2 pole with 2 auxiliary contacts  
 1 n/o late make/early break + 1 n/c in position 2

<b>71202</b>	1L1	1L2	1L3	2L1	2L2	2L3	33	43	Stellung/Position
			1T1	1T2	1T3	2T1	2T2	2T3	
SMD	71200						MD		2

**Changeover Switches**  
 Switching programme 71202  
 2 pole with 2 auxiliary contacts  
 2 n/o late make/early break in position 2

Switching diagrams 71210–71302

<b>71210</b>	14	22	1L1	1L2	1L3	2L1	2L2	2L3
	Stellung/Position							
SMD	13	21	1T1	1T2	1T3	2T1	2T2	2T3
	1	MB	71200					

**Changeover Switches**

Switching programme 71210  
 2 pole with 2 auxiliary contacts  
 1 n/o late make/early break + 1 n/c in position 1

<b>71211</b>	14	22	1L1	1L2	1L3	2L1	2L2	2L3	31	23
	Stellung/Position								Stellung/Position	
SMD	13	21	1T1	1T2	1T3	2T1	2T2	2T3	32	24
	1	MB	71200						MC	2

**Changeover Switches**

Switching programme 71211  
 2 pole with 4 auxiliary contacts  
 1 n/o late make/early break + 1 n/c in position 1  
 1 n/o late make/early break + 1 n/c in position 2

<b>71212</b>	14	22	1L1	1L2	1L3	2L1	2L2	2L3	33	43
	Stellung/Position								Stellung/Position	
SMD	13	21	1T1	1T2	1T3	2T1	2T2	2T3	34	44
	1	MB	71200						MD	2

**Changeover Switches**

Switching programme 71212  
 2 pole with 4 auxiliary contacts  
 1 n/o late make/early break + 1 n/c in position 1  
 2 n/o late make/early break in position 2

<b>71220</b>	44	34	1L1	1L2	1L3	2L1	2L2	2L3
	Stellung/Position							
SMD	43	33	1T1	1T2	1T3	2T1	2T2	2T3
	1	MD	71200					

**Changeover Switches**

Switching programme 71220  
 2 pole with 2 auxiliary contacts  
 2 n/o late make/early break in position 1

<b>71221</b>	44	34	1L1	1L2	1L3	2L1	2L2	2L3	21	13
	Stellung/Position								Stellung/Position	
SMD	43	33	1T1	1T2	1T3	2T1	2T2	2T3	22	14
	1	MD	71200						MB	2

**Changeover Switches**

Switching programme 71221  
 2 pole with 4 auxiliary contacts  
 2 n/o late make/early break in position 1  
 1 n/o late make/early break + 1 n/c in position 2

<b>71222</b>	44	34	1L1	1L2	1L3	2L1	2L2	2L3	53	63
	Stellung/Position								Stellung/Position	
SMD	43	33	1T1	1T2	1T3	2T1	2T2	2T3	54	64
	1	MD	71200						ME	2

**Changeover Switches**

Switching programme 71222  
 2 pole with 4 auxiliary contacts  
 2 n/o late make/early break in position 1  
 2 n/o late make/early break in position 2

<b>71300</b>	1L1	1L2	1L3	2L1	2L2	2L3
SMD	1T1	1T2	1T3	2T1	2T2	2T3
	71300					

**Changeover Switches**

Switching programme 71300  
 3 pole without auxiliary contacts

<b>71301</b>	1L1	1L2	1L3	2L1	2L2	2L3	21	13
							Stellung/Position	
SMD	1T1	1T2	1T3	2T1	2T2	2T3	22	14
	71300						MB	2

**Changeover Switches**

Switching programme 71301  
 3 pole with 2 auxiliary contacts  
 1 n/o late make/early break + 1 n/c in position 2

<b>71302</b>	1L1	1L2	1L3	2L1	2L2	2L3	33	43
							Stellung/Position	
SMD	1T1	1T2	1T3	2T1	2T2	2T3	34	44
	71300						MD	2

**Changeover Switches**

Switching programme 71302  
 3 pole with 2 auxiliary contacts  
 2 n/o late make/early break in position 2

Switching diagrams 71310–71400

<b>71310</b>		14	22	1L1	1L2	1L3	2L1	2L2	2L3	
		13	21	1T1	1T2	1T3	2T1	2T2	2T3	
SMD	1	MB	71300							

**Changeover Switches**

Switching programme 71310  
 3 pole with 2 auxiliary contacts  
 1 n/o late make/early break + 1 n/c in position 1

<b>71311</b>		14	22	1L1	1L2	1L3	2L1	2L2	2L3	31	23
		13	21	1T1	1T2	1T3	2T1	2T2	2T3	32	24
SMD	1	MB	71300						MC	2	

**Changeover Switches**

Switching programme 71311  
 3 pole with 4 auxiliary contacts  
 1 n/o late make/early break + 1 n/c in position 1  
 1 n/o late make/early break + 1 n/c in position 2

<b>71312</b>		14	22	1L1	1L2	1L3	2L1	2L2	2L3	33	43
		13	21	1T1	1T2	1T3	2T1	2T2	2T3	34	44
SMD	1	MB	71300						MD	2	

**Changeover Switches**

Switching programme 71312  
 3 pole with 4 auxiliary contacts  
 1 n/o late make/early break + 1 n/c in position 1  
 2 n/o late make/early break in position 2

<b>71320</b>		44	34	1L1	1L2	1L3	2L1	2L2	2L3	
		43	33	1T1	1T2	1T3	2T1	2T2	2T3	
SMD	1	MD	71300							

**Changeover Switches**

Switching programme 71320  
 3 pole with 2 auxiliary contacts  
 2 n/o late make/early break in position 1

<b>71321</b>		44	34	1L1	1L2	1L3	2L1	2L2	2L3	21	13
		43	33	1T1	1T2	1T3	2T1	2T2	2T3	22	14
SMD	1	MD	71300						MB	2	

**Changeover Switches**

Switching programme 71321  
 3 pole with 4 auxiliary contacts  
 2 n/o late make/early break in position 1  
 1 n/o late make/early break + 1 n/c in position 2

<b>71322</b>		44	34	1L1	1L2	1L3	2L1	2L2	2L3	53	63
		43	33	1T1	1T2	1T3	2T1	2T2	2T3	54	64
SMD	1	MD	71300						ME	2	

**Changeover Switches**

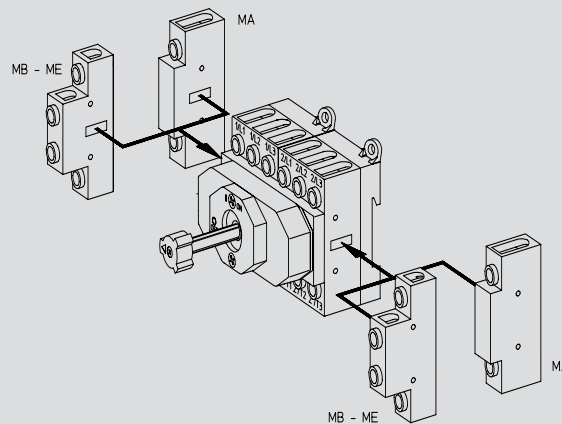
Switching programme 71322  
 3 pole with 4 auxiliary contacts  
 2 n/o late make/early break in position 1  
 2 n/o late make/early break in position 2

<b>71400</b>		N	1L1	1L2	1L3	2L1	2L2	2L3	N
		N	1T1	1T2	1T3	2T1	2T2	2T3	N
SMD	MA	71300						MA	

**Changeover Switches**





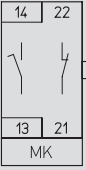
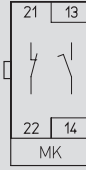
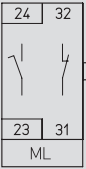
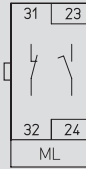
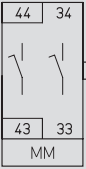

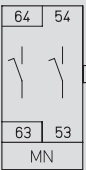

Switching programme 71400  
 4 pole without auxiliary contacts  
 neutral contact early make/late break

Additional modules for later attachment to switches 41300/41600/71300

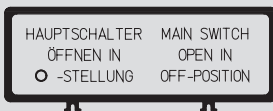


Switching programme module left      module right	Type	Order code no. front mounting	Order code no. base mounting
<b>Neutral contact Module MA</b> early make/late break			
	H216	MAH2-16A01	MAH2-16A02
	H220	MAH2-20A01	MAH2-20A02
	H226	MAH2-26A01	MAH2-26A02
	H233	MAH2-33A01	MAH2-33A02
	H263	MAH2-63A01	MAH2-63A02
	H406	MAH4-06A01	MAH4-06A02
	H408	MAH4-08A01	MAH4-08A02
	H410	MAH4-10A01	MAH4-10A02
	H412	MAH4-12A01	MAH4-12A02
<b>Auxiliary contact Module MB</b> 1 n/o late make/early break + 1 n/c			
	H216	MBH2-11A01	MBH2-11A02
	H220	MBH2-11A01	MBH2-11A02
	H226	MBH2-11A01	MBH2-11A02
	H233	MBH2-11A01	MBH2-11A02
	H263	MBH4-11A01	MBH4-11A02
	H406	MBH4-11A01	MBH4-11A02
	H408	MBH4-11A01	MBH4-11A02
	H410	MBH4-11A01	MBH4-11A02
	H412	MBH4-11A01	MBH4-11A02
<b>Auxiliary contact Module MC</b> 1 n/o late make/early break + 1 n/c			
	H216	MCH2-11A01	MCH2-11A02
	H220	MCH2-11A01	MCH2-11A02
	H226	MCH2-11A01	MCH2-11A02
	H233	MCH2-11A01	MCH2-11A02
	H263	MCH4-11A01	MCH4-11A02
	H406	MCH4-11A01	MCH4-11A02
	H408	MCH4-11A01	MCH4-11A02
	H410	MCH4-11A01	MCH4-11A02
	H412	MCH4-11A01	MCH4-11A02
<b>Auxiliary contact Module MD</b> 2 n/o late make/early break			
	H216	MDH2-20A01	MDH2-20A02
	H220	MDH2-20A01	MDH2-20A02
	H226	MDH2-20A01	MDH2-20A02
	H233	MDH2-20A01	MDH2-20A02
	H263	MDH4-20A01	MDH4-20A02
	H406	MDH4-20A01	MDH4-20A02
	H408	MDH4-20A01	MDH4-20A02
	H410	MDH4-20A01	MDH4-20A02
	H412	MDH4-20A01	MDH4-20A02
<b>Auxiliary contact Module ME</b> 2 n/o late make/early break			
	H216	MEH2-20A01	MEH2-20A02
	H220	MEH2-20A01	MEH2-20A02
	H226	MEH2-20A01	MEH2-20A02
	H233	MEH2-20A01	MEH2-20A02
	H263	MEH4-20A01	MEH4-20A02
	H406	MEH4-20A01	MEH4-20A02
	H408	MEH4-20A01	MEH4-20A02
	H410	MEH4-20A01	MEH4-20A02
	H412	MEH4-20A01	MEH4-20A02

Additional modules for later attachment to switches 41300/41600/71300

Switching programme		Type	Order code no. front mounting	Order code no. base mounting
module left	module right			
<b>N-terminal MF</b>		H216	MFH2-00A01	MFH2-00A02
		H220	MFH2-00A01	MFH2-00A02
		H226	MFH2-00A01	MFH2-00A02
		H233	MFH2-00A01	MFH2-00A02
		H263	MFH2-63A01	MFH2-63A02
		H406	MFH4-00A01	MFH4-00A02
		H408	MFH4-00A01	MFH4-00A02
		H410	MFH4-00A01	MFH4-00A02
		H412	MFH4-00A01	MFH4-00A02
<b>PE-terminal MG</b>		H216	MGH2-00A01	MGH2-00A02
		H220	MGH2-00A01	MGH2-00A02
		H226	MGH2-00A01	MGH2-00A02
		H233	MGH2-00A01	MGH2-00A02
		H263	MGH2-63A01	MGH2-63A02
		H406	MGH4-00A01	MGH4-00A02
		H408	MGH4-00A01	MGH4-00A02
		H410	MGH4-00A01	MGH4-00A02
		H412	MGH4-00A01	MGH4-00A02
<b>Auxiliary contact Module MK</b> 1 n/o late make/early break + 1 n/c Contacts with gold plating 5 µm		H216	MKH2-11A01	MKH2-11A02
		H220	MKH2-11A01	MKH2-11A02
		H226	MKH2-11A01	MKH2-11A02
		H233	MKH2-11A01	MKH2-11A02
		H263	MKH4-11A01	MKH4-11A02
		H406	MKH4-11A01	MKH4-11A02
		H408	MKH4-11A01	MKH4-11A02
		H410	MKH4-11A01	MKH4-11A02
		H412	MKH4-11A01	MKH4-11A02
<b>Auxiliary contact Module ML</b> 1 n/o late make/early break + 1 n/c Contacts with gold plating 5 µm		H216	MLH2-11A01	MLH2-11A02
		H220	MLH2-11A01	MLH2-11A02
		H226	MLH2-11A01	MLH2-11A02
		H233	MLH2-11A01	MLH2-11A02
		H263	MLH4-11A01	MLH4-11A02
		H406	MLH4-11A01	MLH4-11A02
		H408	MLH4-11A01	MLH4-11A02
		H410	MLH4-11A01	MLH4-11A02
		H412	MLH4-11A01	MLH4-11A02
<b>Auxiliary contact Module MM</b> 2 n/o late make/early break Contacts with gold plating 5 µm		H216	MMH2-20A01	MMH2-20A02
		H220	MMH2-20A01	MMH2-20A02
		H226	MMH2-20A01	MMH2-20A02
		H233	MMH2-20A01	MMH2-20A02
		H263	MMH4-20A01	MMH4-20A02
		H406	MMH4-20A01	MMH4-20A02
		H408	MMH4-20A01	MMH4-20A02
		H410	MMH4-20A01	MMH4-20A02
		H412	MMH4-20A01	MMH4-20A02
<b>Auxiliary contact Module MN</b> 2 n/o late make/early break Contacts with gold plating 5 µm		H216	MNH2-20A01	MNH2-20A02
		H220	MNH2-20A01	MNH2-20A02
		H226	MNH2-20A01	MNH2-20A02
		H233	MNH2-20A01	MNH2-20A02
		H263	MNH4-20A01	MNH4-20A02
		H406	MNH4-20A01	MNH4-20A02
		H408	MNH4-20A01	MNH4-20A02
		H410	MNH4-20A01	MNH4-20A02
		H412	MNH4-20A01	MNH4-20A02
<b>Neutral terminal block</b> cable link to connect the Neutral contact Modules (MA) on the 71400 Changeover Switch		H200	224234	224234
		H400	404111	404111

Accessories



FAZ2-8041

Additional top escutcheon plates

with additional inscription to be clipped on the escutcheon and padlock devices

Order code number

Escutcheon frame plate black, legend plate silver, without inscription (can be engraved)	<b>FAZ2 - 8000</b>
Escutcheon frame plate black, legend plate silver, inscription black, inscription FA 8... (see below)	<b>FAZ2 - 8...</b>
Escutcheon frame plate black, legend plate silver, inscription black, special engraving	<b>FAZ2 - (special no.)</b>
Escutcheon frame plate black, legend plate yellow, without inscription (can be engraved)	<b>FBZ2 - 8000</b>
Escutcheon frame plate black, legend plate yellow, inscription black, inscription FA 8... (see below)	<b>FBZ2 - 8...</b>
Escutcheon frame plate black, legend plate yellow, inscription black, special engraving	<b>FBZ2 - (special no.)</b>
Escutcheon frame plate black (without legend plate)	<b>FAZ2</b>

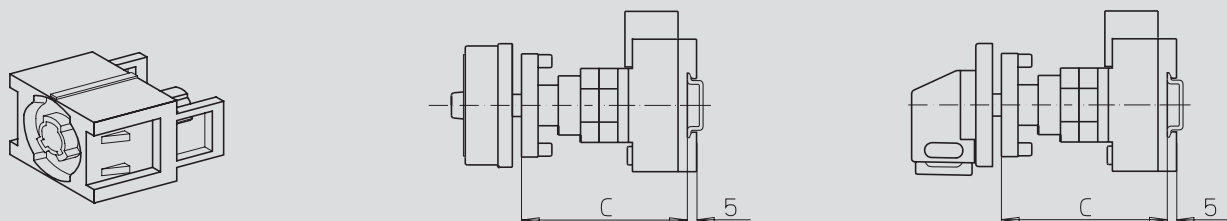
Legend plates for additional top escutcheon plates

Legend plate silver, without inscription (can be engraved)	<b>FAS2 - 8000</b>
Legend plate silver, inscription black, inscription FA 8... (see below)	<b>FAS2 - 8...</b>
Legend plate silver, inscription black, special engraving	<b>FAS2 - (special no.)</b>
Legend plate yellow, without inscription (can be engraved)	<b>FBS2 - 8000</b>
Legend plate yellow, inscription black, inscription FA 8... (see below)	<b>FBS2 - 8...</b>
Legend plate yellow, inscription black, special engraving	<b>FBS2 - (special no.)</b>

Inscriptions for additional top escutcheon plates

	HAUPTSCHALTER	MAIN SWITCH	NETZSCHALTER	NOT-AUS	EMERGENCY OFF
<b>FA 8000</b>	<b>FA 8001</b>	<b>FA 8002</b>	<b>FA 8003</b>	<b>FA 8013</b>	<b>FA 8026</b>
TURVAKYTKIN	HAUPTSCHALTER NUR IN STELLUNG O ÖFFNEN	MAIN SWITCH OPEN ONLY IN POSITION 'OFF'	INTERRUTTORE GENERALE ARRI: SOLO CON MANOPOLA SU ZERO	INTERRUPTEUR PRINCIPAL OVRER EN POSITION O SELLEMENT	INTERRUPTOR
<b>FA 8027</b>	<b>FA 8028</b>	<b>FA 8029</b>	<b>FA 8030</b>	<b>FA 8031</b>	<b>FA 8037</b>
HOOFDSCHAKEL AAR ALLEEN IN O-STAND OPENEN	INTERRUPTOR PRINCIPAL ABRIR SOLO EN POSICION O	HAUPTSCHALTER MAIN SWITCH ÖFFNEN IN OPEN IN O-STELLUNG OFF-POSITION	HUVUDBRYTARE	HLAVNÍ VYPÍNAČ	HLAVNÍ VYPÍNAČ OTEVŘÍT POUZE V POLOZE O
<b>FA 8039</b>	<b>FA 8040</b>	<b>FA 8041</b>	<b>FA 8044</b>	<b>FA 8045</b>	<b>FA 8046</b>
ГЛАВНЫЙ ВЫКЛЮЧАТЕЛЬ открывать только в положении 'открыт'					
<b>FA 8047</b>					

Modular shaft extensions for mounting forms with door interlock

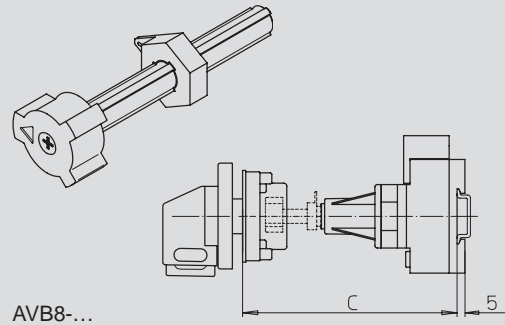
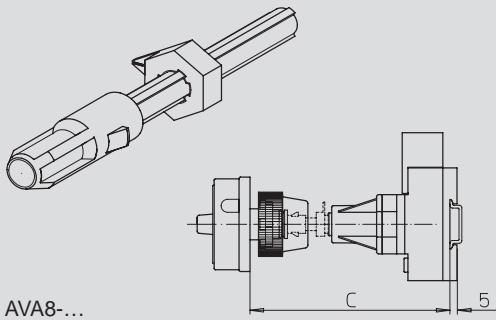


<b>H200</b> 3...4 pole ON-OFF Switches	<b>H200</b> 6...8 pole ON-OFF Switches 3...4 pole Changeover Switches	<b>H400</b> 3...4 pole ON-OFF Switches	<b>H400</b> 6...8 pole ON-OFF Switches 3...4 pole Changeover Switches	<b>Order code number</b>
				<b>H200      H400</b>

Dimension C (Internal depth: inside of door to top of DIN rail):

092 ... 107 mm	100 ... 115 mm	103 ... 117 mm	116 ... 130 mm	-	-
114 ... 132 mm	122 ... 140 mm	124 ... 142 mm	137 ... 155 mm	<b>AVC2-1</b>	<b>AVC4-1</b>
139 ... 157 mm	147 ... 165 mm	149 ... 167 mm	162 ... 180 mm	<b>AVC2-2</b>	<b>AVC4-2</b>
164 ... 182 mm	172 ... 190 mm	174 ... 192 mm	187 ... 205 mm	<b>AVC2-3</b>	<b>AVC4-3</b>
189 ... 207 mm	197 ... 215 mm	199 ... 217 mm	212 ... 230 mm	<b>AVC2-4</b>	<b>AVC4-4</b>

Accessories



Metal shafts for mounting forms with door clutch / door interlock

H200	H200	H400	H400	Order code number
3...4 pole ON-OFF Switches	6...8 pole ON-OFF Switches 3...4 pole Changeover Switches	3...4 pole ON-OFF Switches	6...8 pole ON-OFF Switches 3...4 pole Changeover Switches	

Single hole front mounting

Dimension C (Internal depth: outside of door to top of DIN rail):

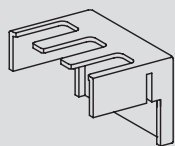
155 ... 173 mm	163 ... 181 mm	165 ... 183 mm	177 ... 195 mm	AVA8 - 065
174 ... 198 mm	182 ... 206 mm	184 ... 208 mm	196 ... 220 mm	AVA8 - 090
199 ... 223 mm	207 ... 231 mm	209 ... 233 mm	221 ... 245 mm	AVA8 - 115
224 ... 248 mm	232 ... 256 mm	234 ... 258 mm	246 ... 270 mm	AVA8 - 140
249 ... 273 mm	257 ... 281 mm	259 ... 283 mm	271 ... 295 mm	AVA8 - 165
274 ... 298 mm	282 ... 306 mm	284 ... 308 mm	296 ... 320 mm	AVA8 - 190
299 ... 323 mm	307 ... 331 mm	309 ... 333 mm	321 ... 345 mm	AVA8 - 215
324 ... 348 mm	332 ... 356 mm	334 ... 358 mm	346 ... 370 mm	AVA8 - 240
349 ... 373 mm	357 ... 381 mm	359 ... 383 mm	371 ... 395 mm	AVA8 - 265
374 ... 398 mm	382 ... 406 mm	384 ... 408 mm	396 ... 420 mm	AVA8 - 290
399 ... 423 mm	407 ... 431 mm	409 ... 433 mm	421 ... 445 mm	AVA8 - 315
424 ... 448 mm	432 ... 456 mm	434 ... 458 mm	446 ... 470 mm	AVA8 - 340
449 ... 473 mm	457 ... 481 mm	459 ... 483 mm	471 ... 495 mm	AVA8 - 365
474 ... 498 mm	482 ... 506 mm	484 ... 508 mm	496 ... 520 mm	AVA8 - 390
499 ... 523 mm	507 ... 531 mm	509 ... 533 mm	521 ... 545 mm	AVA8 - 415
524 ... 548 mm	532 ... 556 mm	534 ... 558 mm	546 ... 570 mm	AVA8 - 440
549 ... 573 mm	557 ... 581 mm	559 ... 583 mm	571 ... 595 mm	AVA8 - 465
574 ... 598 mm	582 ... 606 mm	584 ... 608 mm	596 ... 620 mm	AVA8 - 490
599 ... 623 mm	607 ... 631 mm	609 ... 633 mm	621 ... 645 mm	AVA8 - 515
624 ... 643 mm	632 ... 656 mm	634 ... 658 mm	646 ... 670 mm	AVA8 - 540

Four hole front mounting

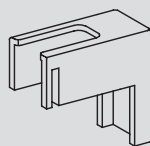
Dimension C (Internal depth: inside of door to top of DIN rail):

140 ... 164 mm	148 ... 172 mm	150 ... 174 mm	162 ... 186 mm	AVB8 - 065
165 ... 189 mm	173 ... 197 mm	175 ... 199 mm	187 ... 211 mm	AVB8 - 090
190 ... 214 mm	198 ... 222 mm	200 ... 224 mm	212 ... 236 mm	AVB8 - 115
215 ... 239 mm	223 ... 247 mm	225 ... 249 mm	237 ... 261 mm	AVB8 - 140
240 ... 264 mm	248 ... 272 mm	250 ... 274 mm	262 ... 286 mm	AVB8 - 165
265 ... 289 mm	273 ... 297 mm	275 ... 299 mm	287 ... 311 mm	AVB8 - 190
290 ... 314 mm	298 ... 322 mm	300 ... 324 mm	312 ... 336 mm	AVB8 - 215
315 ... 339 mm	323 ... 347 mm	325 ... 349 mm	337 ... 361 mm	AVB8 - 240
340 ... 364 mm	348 ... 372 mm	350 ... 374 mm	362 ... 386 mm	AVB8 - 265
365 ... 389 mm	373 ... 397 mm	375 ... 399 mm	387 ... 411 mm	AVB8 - 290
390 ... 414 mm	398 ... 422 mm	400 ... 424 mm	412 ... 436 mm	AVB8 - 315
415 ... 439 mm	423 ... 447 mm	425 ... 449 mm	437 ... 461 mm	AVB8 - 340
440 ... 464 mm	448 ... 472 mm	450 ... 474 mm	462 ... 486 mm	AVB8 - 365
465 ... 489 mm	473 ... 497 mm	475 ... 499 mm	487 ... 511 mm	AVB8 - 390
490 ... 514 mm	498 ... 522 mm	500 ... 524 mm	512 ... 536 mm	AVB8 - 415
515 ... 539 mm	523 ... 547 mm	525 ... 549 mm	537 ... 561 mm	AVB8 - 440
540 ... 564 mm	548 ... 572 mm	550 ... 574 mm	562 ... 586 mm	AVB8 - 465
565 ... 589 mm	573 ... 597 mm	575 ... 599 mm	587 ... 611 mm	AVB8 - 490
590 ... 614 mm	598 ... 622 mm	600 ... 624 mm	612 ... 636 mm	AVB8 - 515
615 ... 639 mm	623 ... 647 mm	625 ... 649 mm	637 ... 661 mm	AVB8 - 540

Accessories



TCA/TCC



TCB/TCD

Terminal covers

Terminal covers can be used on front and base mountings. For the product line H200 terminal covers are not included since the switch is IP20 rated. Terminal covers are included with all Main/Off Switches of the H400 product line, and don't have to be ordered separately.

The variety of available switching programs requires different terminal covers. Please order the required quantities!

H216 / H220 / H226 / H233

Switching programs from ... up to ...	Number	Order code number	Number	Order code number
41300 41340	1	TCA2	–	–
41400 41420	1	TCA2	1	TCB2
41600 41640	2	TCA2	–	–
41800 41800	2	TCA2	2	TCB2

H263

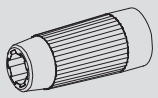
Switching programs from ... up to ...	Number	Order code number	Number	Order code number
41300 41340	1	TCC2	–	–
41400 41420	1	TCC2	1	TCD2

H406 / H408 / H410 / H412

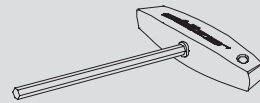
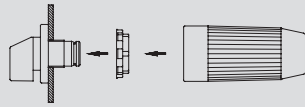
Switching programs from ... up to ...	Number	Order code number	Number	Order code number
41300 41340	1	TCA4	–	–
41400 41420	1	TCA4	1	TCB4
41600 41640	2	TCA4	–	–
41800 41800	2	TCA4	2	TCB4



Accessories



218098



MSH4

**Assembly tool for single hole mounting**

suitable for a fast assembly of escutcheons and padlock devices

Product line	Order code number
H200	218098

**Assembly tool for terminal screws on H400 product line**

Product line	Order code number
H400	MSH4

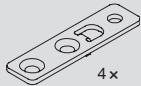
**Mounting brackets for external mounting of enclosures (1 set)**

M6 x 16



4 x

mounting bracket



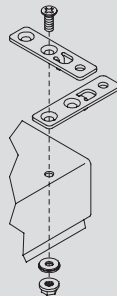
4 x



4 x








4 x



Enclosure	Dimensions	Order code number
Sheet Metal enclosure	150 x 150 x 120 mm	SAX1
Sheet Metal enclosure	200 x 150 x 120 mm	SAX1
Sheet Metal enclosure	300 x 250 x 120 mm	SAX1
Stainless steel enclosure	150 x 150 x 120 mm	SBX1
Stainless steel enclosure	200 x 150 x 120 mm	SBX1
Stainless steel enclosure	300 x 250 x 120 mm	SBX1







Operator variants for mounting forms with padlock device

Operator		Colour escutcheon	Colour legend plate	Colour operator	Change of order code number
<b>N-padlock device</b> Suitable for product lines H200, H400 and K600		black grey yellow grey yellow	white white white white white	black grey red black black	.... - ..... - ...N1 .... - ..... - ...N2 .... - ..... - ...N4 .... - ..... - ...N6 .... - ..... - ...N7
<b>M-padlock device</b> Suitable for product lines H200, H400 and K600		black grey yellow grey yellow	white white white white white	black grey red black black	.... - ..... - ...M1 .... - ..... - ...M2 .... - ..... - ...M4 .... - ..... - ...M6 .... - ..... - ...M7
<b>B-padlock device</b> Suitable for product lines H400, K600 and K800		black black black	silver yellow black	black red black	.... - ..... - ...B1 .... - ..... - ...B4 .... - ..... - ...B8
<b>H-padlock device</b> Suitable for product lines H400, K600 and K800		black black black	silver yellow black	black red black	.... - ..... - ...H1 .... - ..... - ...H4 .... - ..... - ...H8
<b>Padlockable with V-handle</b> Suitable for product lines H200 and H400		black black	silver yellow	black red	.... - ..... - ...V1 .... - ..... - ...V4




Installation mounting for 45 mm aperture in Panel/Distribution boards:

<b>Padlockable with V-handle</b> Suitable for product line H200		grey grey	silver yellow	black red	.... - ..... - ...V1 .... - ..... - ...V4
<b>Padlockable with V-handle (cover imprinted)</b> Suitable for product line H400		grey yellow	grey yellow	black red	.... - ..... - ...V1 .... - ..... - ...V4

Operator variants for mounting forms with escutcheon and handle

Operator		Colour escutcheon	Colour legend plate	Colour operator	Change of order code number
<b>M-handle</b> Suitable for product lines H200, H400 and K600		black	silver	black	.... - ..... - ...M1
		grey	silver	grey	.... - ..... - ...M2
		white	silver	white	.... - ..... - ...M3
		black	yellow	red	.... - ..... - ...M4
		black	silver	red	.... - ..... - ...M5
		black	black	.... - ..... - ...M8	
<b>F-handle</b> Suitable for product lines H200, H400 and K600		black	silver	black	.... - ..... - ...F1
		grey	silver	grey	.... - ..... - ...F2
		white	silver	white	.... - ..... - ...F3
		black	yellow	red	.... - ..... - ...F4
		black	silver	red	.... - ..... - ...F5
		black	black	.... - ..... - ...F8	
<b>B-handle</b> Suitable for product lines H200, H400 and K600		black	silver	black	.... - ..... - ...B1
		grey	silver	grey	.... - ..... - ...B2
		white	silver	white	.... - ..... - ...B3
		black	yellow	red	.... - ..... - ...B4
		black	silver	red	.... - ..... - ...B5
		black	black	.... - ..... - ...B8	
<b>N-handle</b> Suitable for product line H200		black	silver	black	.... - ..... - ...N1
		grey	silver	grey	.... - ..... - ...N2
		white	silver	white	.... - ..... - ...N3
		black	yellow	red	.... - ..... - ...N4
		black	silver	red	.... - ..... - ...N5
		black	black	.... - ..... - ...N8	
<b>G-handle</b> Suitable for product lines H400, K600 and K800		black	silver	black	.... - ..... - ...G1
		black	yellow	red	.... - ..... - ...G4
		black	silver	red	.... - ..... - ...G5
		black	black	black	.... - ..... - ...G8
<b>R-handle</b> Suitable for product line H200		black	silver	black	.... - ..... - ...R1
		grey	silver	grey	.... - ..... - ...R2
		white	silver	white	.... - ..... - ...R3
		black	yellow	red	.... - ..... - ...R4
		black	silver	red	.... - ..... - ...R5

Installation mounting for 45 mm aperture in Panel/Distribution boards:

<b>M-handle</b> Suitable for product line H200		grey	silver	black	.... - ..... - ...M1
		grey	silver	grey	.... - ..... - ...M2
		grey	yellow	red	.... - ..... - ...M4
<b>M-handle</b> (cover imprinted) Suitable for product line H400		grey	grey	black	.... - ..... - ...M1
		grey	grey	grey	.... - ..... - ...M2
		yellow	yellow	red	.... - ..... - ...M4
<b>N-handle</b> Suitable for product line H200		grey	silver	black	.... - ..... - ...N1
		grey	silver	grey	.... - ..... - ...N2
		grey	yellow	red	.... - ..... - ...N4

Technical Data

General			H212	H216	H220	H226	H233	H263	H406	H408	H410	H412	K616	K830	
Standards			IEC 60947, EN 60947, IEC 60204, EN 60204, UL 508, CSA 22.2, No. 14												
Mechanical lifespan			>10 <sup>5</sup>	>10 <sup>5</sup>	>10 <sup>5</sup>	>10 <sup>5</sup>	>10 <sup>5</sup>	>10 <sup>5</sup>	>10 <sup>5</sup>	>10 <sup>5</sup>	>10 <sup>5</sup>	>10 <sup>5</sup>	>10 <sup>6</sup>	>10 <sup>6</sup>	
Max. operating frequency /h			50	50	50	50	50	50	50	50	50	50	50	50	
Climatic resistance			damp heat, constant, to DIN IEC 60068-2-3 damp heat, cyclic, to DIN IEC 60068-2-30												
Ambient temperature															
open	min/max	°C	-25/+50												
enclosed	min/max	°C	-25/+40												
Mounting position			as required												
Mechanical shock resistance (shock duration 20 ms)			g	>10	>25	>25	>25	>25	>25	>25	>25	>25	>25	>10	>10
Rated frequency			Hz	50 to 60 (other frequencies on request)											
<b>Rated data</b>															
Operational voltage U <sub>e</sub>			V AC	690	690	690	690	690	690	690 <sup>1)</sup>	690 <sup>1)</sup>	690 <sup>1)</sup>	690 <sup>1)</sup>	690	690
Impulse withstand voltage U <sub>imp</sub>			kV	4	6	6	6	6	6	8	8	8	8	6	6
Overvoltage category			III	III	III	III	III	III	III	III	III	III	III	III	
Pollution degree			3	3	3	3	3	3	3	3	3	3	3	3	3
Uninterrupted current I <sub>u</sub> /I <sub>th</sub> /I <sub>the</sub>			A	20	20	25	32	40	63	63	80	100	125	160	315
Load carrying capacity in intermittent operation, class 12			AB	60%/40%/25% DF = 1.3/1.6/2 × I <sub>e</sub>											
Breaking capacity															
	220–240 V	A	150	150	250	300	330	500	500	550	600	800	900	1800	
	380–440 V	A	150	150	250	300	330	500	500	550	600	750	850	1650	
	500–690 V	A	100	100	150	190	220	270	270	285	300	320	340	350	
Short-circuit rating															
Max. fuse			gL	20	20	25	35	40	63	63	80	100	125	160	315
Conditional short-circuit current			kA <sub>eff</sub>	15	15	15	15	15	15	25	25	25	25	25	25
Isolating characteristics to EN 60947			up to ... V AC	440	690	690	690	690	690	1000	1000	1000	1000	690	690
Switching angle				90°	90°	90°	90°	90°	90°	90°	90°	90°	90°	90°	90°
Contacts (current paths)			max	4	8	8	8	8	4	8	8	8	8	8	8
Current heat loss per contact at I <sub>u</sub>			W	0.8	0.8	0.8	1.8	2.1	3.0	3.0	4.1	5.5	6.9	11	28.5
Terminal capacity															
	solid or stranded	min	mm <sup>2</sup>	1	1	1	1	1	4	4	4	4	4	95 <sup>2)</sup>	185 <sup>2)</sup>
		max	mm <sup>2</sup>	2.5	10	10	10	10	16	50	50	50	50	95 <sup>2)</sup>	185 <sup>2)</sup>
	flexible or multiwire including ferrule	min	mm <sup>2</sup>	1	0.75	0.75	0.75	0.75	2.5	2.5	2.5	2.5	2.5	95 <sup>2)</sup>	185 <sup>2)</sup>
		max	mm <sup>2</sup>	2.5	6	6	6	6	10	35	35	35	35	95 <sup>2)</sup>	185 <sup>2)</sup>
American Wire Gauge			AWG	14	8	8	8	8	6	1/0	1/0	1/0	1/0	4/0	350MCM
Thread dimensions for terminal screw				M3,5	M4	M4	M4	M4	M4	M6	M6	M6	M6	M10	M12
Terminal tightening torque															
	min	Nm	0.8	1.2	1.2	1.2	1.2	1.2	2.5	2.5	2.5	2.5	10	14	
	max	Nm	1.5	2.5	2.5	2.5	2.5	2.5	6.0	6.0	6.0	6.0	20	25	

<sup>1)</sup> 1000 V, AC-20, no load switching

<sup>2)</sup> with terminal extensions for cable lug connection

Technical Data

Rated data			H212	H216	H220	H226	H233	H263	H406	H408	H410	H412	K616	K830	
Operational current I <sub>e</sub>															
AC-21A		A	20	20	25	32	40	63	63	80	100	125	160	315	
AC-22A	220 – 500 V	A	20	20	25	32	40	63	63	80	100	125	160	315	
	660 – 690 V	A	16	16	20	32	40	63	63	80	100	100	125	125	
AC-23A (cos φ=0.65) 400V			A	10	12	16	24	32	47	47	65	80	97	120	285
UL / CSA General Use	300 V AC	A	15	20	25	30	40	60	63	80	100	100	175	240	
	600 V AC	A	15	20	25	30	40	60	63	80	100	100	175	240	
Operational power at 50 – 60 Hz, 3 phase															
AC-23A	220 – 240 V	kW	3	3	4	5.5	7.5	15	15	18.5	22	30	37	75	
	380 – 440 V	kW	5.5	5.5	7.5	11	15	22	22	30	37	45	75	132	
	500 V	kW	5.5	5.5	7.5	11	15	22	22	30	37	45	90	132	
	660 – 690 V	kW	5.5	5.5	7.5	11	15	22	22	30	37	37	55	55	
AC-3	220 – 240 V	kW	2.2	2.2	3	4	5.5	11	11	15	22	30	22	37	
	380 – 440 V	kW	3.7	3.7	5.5	7.5	11	18.5	18.5	22	30	37	45	55	
	500 V	kW	3.7	3.7	5.5	7.5	11	18.5	18.5	30	37	45	45	55	
	660 – 690 V	kW	3.7	3.7	5.5	7.5	11	18.5	18.5	22	30	37	45	55	
UL / CSA	110 – 120 V AC	HP	1	1	1.5	2	3	5	5	7.5	10	15	15	25	
	208 V AC	HP	2	2	3	5	7.5	10	10	10	15	15	15	30	
	220 – 240 V AC	HP	2	2	3	5	7.5	15	15	20	25	30	15	30	
	440 – 480 V AC	HP	3	3	5	10	15	30	30	30	30	40	40	50	
	550 – 600 V AC	HP	5	5	5	10	15	40	30	30	30	40	50	50	

Rated data (auxiliary contacts)

Operational voltage U <sub>e</sub>			V AC	—	500	500	500	500	500	500	500	500	500	500
Uninterrupted current I <sub>u</sub> / I <sub>th</sub> / I <sub>the</sub>			A	—	10	10	10	10	16	16	16	16	20	20
Operational current I <sub>e</sub>														
AC-21A		A	—	10	10	10	10	10	10	10	10	10	20	20
AC-15	110 – 240 V	A	—	2.5	2.5	2.5	2.5	6	6	6	6	6	6	6
	380 – 440 V	A	—	1.5	1.5	1.5	1.5	4	4	4	4	4	4	4
	500 V	A	—	1	1	1	1	1.5	1.5	1.5	1.5	1.5	2	2
UL / CSA General Use	600 V AC	A	—	10	10	10	10	10	10	10	10	10	20	20
Heavy Pilot Duty				—	A600	A600	A600	A600	A600	A600	A600	A600	A600	A600
Short-circuit rating Max. fuse			gL	—	10	10	10	10	16	16	16	16	20	20
Conditional short-circuit current			kA <sub>eff</sub>	—	3	3	3	3	3	3	3	3	10	10
Terminal capacity flexible or multiwire including ferrule			min max	mm <sup>2</sup> mm <sup>2</sup>	— —	1 2.5	1 2.5	1 2.5	1 2.5	1 2.5	1 2.5	1 2.5	1 2.5	1 2.5
American Wire Gauge			AWG	—	14	14	14	14	14	14	14	14	12	12

Conformity

The Disconnect Switches H and K conform to the regulations of the EC guideline 73/23 EEC 'Electrical equipment for application within certain voltage limits' – specified as directive for low voltage devices.

The conformity is proved by the complete compliance of the harmonized European standards

- EN 60947-1
- EN 60947-3
- EN 60947-5-1
- EN 60204-1.

Salzer Electric products are developed, manufactured and tested according to these standards.

The CE marking on all our products prove the conformity to the directives.



The Disconnect Switches H and K are approved according to UL 508 and CSA 22.2, No. 14.



## Utilization Categories

### Utilization categories for Switches, Disconnectors, Switch-Disconnectors and Fuse-Combination Units

Type of Current	Utilization Category		Typical applications
	Frequent operation	Occasional operation	
AC	AC-20A *	AC-20B *	Making and breaking without load
	AC-21A	AC-21B	Switching resistive loads including low overloads
	AC-22A	AC-22B	Switching mixed resistive and inductive loads, including low overloads
	AC-23A	AC-23B	Switching motors and other highly inductive loads
DC	DC-20A	DC-20B	Making and breaking without load
	DC-21A	DC-21B	Switching resistive loads including low overloads
	DC-22A	DC-22B	Switching mixed resistive and inductive loads, including low overloads (e. g. shunt motors)
	DC-23A	DC-23B	Switching highly inductive loads (e. g. series motors)

\* The application of these utilization categories isn't permitted in the USA.

Category AC-23 includes occasional switching of individual motors. The utilization categories in the above table do not apply to an equipment normally used to start, accelerate and/or stop individual motors. The utilization categories for such an equipment are dealt with the following table:

Type of Current	Utilization Category	Typical applications
AC	AC-2	Slip-ring motors: starting, plugging <sup>1)</sup> , switching off
	AC-3	Squirrel-cage motors: starting, switching off running motors
	AC-4	Squirrel-cage motors: starting, plugging <sup>1)</sup> , inching <sup>2)</sup>
DC	DC-3	Shunt motors: starting, plugging <sup>1)</sup> , inching <sup>2)</sup> , dynamic breaking of d.c. motors
	DC-4	Series motors: starting, plugging <sup>1)</sup> , inching <sup>2)</sup> , dynamic breaking of d.c. motors

<sup>1)</sup> Plugging is understood to mean stopping or reversing the motor rapidly by reversing motor primary connections while the motor is running.

<sup>2)</sup> Inching (jogging) is understood to mean energizing a motor once or repeatedly for short periods to obtain small movements of the driven mechanism.

Note: The switching of rotor circuits, capacitors or tungsten filament lamps shall be subject to special agreements between manufacturer and user.

## Rated currents of three-phase motors (approximate figures for squirrel-cage motors)

Motor rating			Motor full-load current A	Fuse starting		Motor full-load current A	Fuse starting	
kW	cos φ	Percent efficiency η %		D.O.L. A	Y/Δ A		D.O.L. A	Y/Δ A
			<b>230 V</b>			<b>400 V</b>		
0.06	0.7	58	0.37	2	–	0.21	2	–
0.09	0.7	60	0.54	2	–	0.31	2	–
0.12	0.7	60	0.72	4	2	0.41	2	–
0.18	0.7	62	1.04	4	2	0.6	2	–
0.25	0.7	62	1.4	4	2	0.8	4	2
0.37	0.72	66	2	6	4	1.1	4	2
0.55	0.75	69	2.7	10	4	1.5	4	2
0.75	0.79	74	3.2	10	4	1.9	6	4
1.1	0.81	74	4.6	10	6	2.6	6	4
1.5	0.81	74	6.3	16	10	3.6	6	4
2.2	0.81	78	8.7	20	10	5	10	6
3	0.82	80	11.5	25	16	6.6	16	10
4	0.82	83	14.8	32	16	8.5	20	10
5.5	0.82	86	19.6	32	25	11.3	25	16
7.5	0.82	87	26.4	50	32	15.2	32	16
11	0.84	87	38	80	40	21.7	40	25
15	0.84	88	51	100	63	29.3	63	32
18.5	0.84	88	63	125	80	36	63	40
22	0.84	92	71	125	80	41	80	50
30	0.85	92	96	200	100	55	100	63
37	0.86	92	117	200	125	68	125	80
45	0.86	93	141	250	160	81	160	100
55	0.86	93	173	250	200	99	200	125
75	0.86	94	233	315	250	134	200	160
90	0.86	94	279	400	315	161	250	200
110	0.86	94	342	500	400	196	315	200
132	0.87	95	401	630	500	231	400	250
160	0.87	95	486	630	630	279	400	315
200	0.87	95	607	800	630	349	500	400
250	0.87	95	–	–	–	437	630	500
315	0.87	96	–	–	–	544	800	630
400	0.88	96	–	–	–	683	1000	800
			<b>500 V</b>			<b>690 V</b>		
0.06	0.7	58	0.17	2	–	0.12	2	–
0.09	0.7	60	0.25	2	–	0.18	2	–
0.12	0.7	60	0.33	2	–	0.24	2	–
0.18	0.7	62	0.48	2	–	0.35	2	–
0.25	0.7	62	0.7	2	–	0.5	2	–
0.37	0.72	66	0.9	2	2	0.7	2	–
0.55	0.75	69	1.2	4	2	0.9	4	2
0.75	0.79	74	1.5	4	2	1.1	4	2
1.1	0.81	74	2.1	6	4	1.5	4	2
1.5	0.81	74	2.9	6	4	2.1	6	4
2.2	0.81	78	4	10	4	2.9	10	4
3	0.82	80	5.3	16	6	3.8	10	4
4	0.82	83	6.8	16	10	4.9	16	6
5.5	0.82	86	9	20	16	6.5	16	10
7.5	0.82	87	12.1	25	16	8.8	25	10
11	0.84	87	17.4	32	20	12.6	25	16
15	0.84	88	23.4	50	25	17	32	20
18.5	0.84	88	28.9	50	32	20.9	32	25
22	0.84	92	33	63	32	23.8	50	25
30	0.85	92	44	80	50	32	63	32
37	0.86	92	54	100	63	39	80	50
45	0.86	93	65	125	80	47	80	63
55	0.86	93	79	160	80	58	100	63
75	0.86	94	107	200	125	78	160	100
90	0.86	94	129	200	160	93	160	100
110	0.86	94	157	250	160	114	200	125
132	0.87	95	184	250	200	134	250	160
160	0.87	95	224	315	250	162	250	200
200	0.87	95	279	400	315	202	315	250
250	0.87	95	349	500	400	253	400	315
315	0.87	96	436	630	500	316	500	400
400	0.88	96	547	800	630	396	630	400

The rated motor currents are for standard 1500 r.p.m. motors with normal inner and outer surface cooling

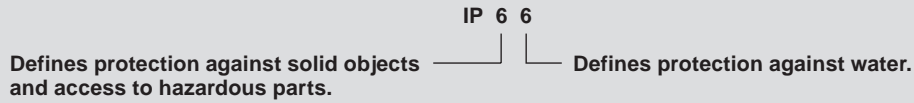
Fuse: This table applies to "slow" or "gL"

D.O.L. starting: Maximum starting current: 6 × rated current. Maximum starting time: 5 sec.



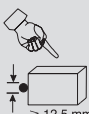
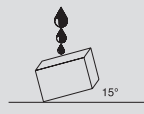
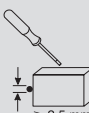
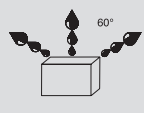
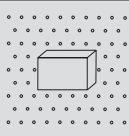
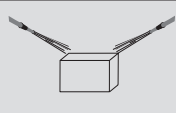
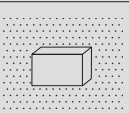
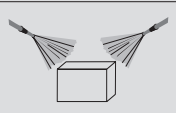
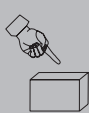
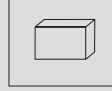
Y/Δ starting: Maximum starting current: 2 × rated current. Maximum starting time: 15 sec.

# Degree of Protection / IP Codes

A coding system is defined by IEC 529 / EN60529 for the classification of degrees of protection provided by enclosures of electrical equipment against solid objects and water. This coding comprises the letters 'IP' followed by a two digit code as follows:



Degrees of protection indicated by a number up to and including "6" implies compliance with the requirements for all lower numbers. For a code with a second digit of 7 or 8, a second code must be stated to specify protection against water jets or spray, e. g. IP66/ IP67/ IP68.

1 <sup>st</sup> digit	Protection against solid objects and access to hazardous parts	2 <sup>nd</sup> digit	Protection against water
0	No protection.	0	No protection.
1	 No ingress by solid objects $\geq 50$ mm dia nor access to hazardous parts with the back of the hand.	1	 Vertically falling drops of water shall have no harmful effect.
2	 No ingress by solid objects $\geq 12.5$ mm dia nor access to hazardous parts with a finger.	2	 Vertically falling drops of water shall have no harmful effect when the enclosure is tilted at any angle up to 15° from vertical.
3	 No ingress by solid objects $\geq 2.5$ mm dia nor access to hazardous parts with a tool.	3	 Water sprayed at up to 60° from the vertical shall have no harmful effect.
4	 No ingress by solid objects $\geq 1.0$ mm dia nor access to hazardous parts with a wire.	4	 Water splashed from any direction shall have no harmful effect.
5	 Dust protected. Ingress of dust is not completely prevented, but there should be no harmful deposits. No access to hazardous parts with a wire.	5	 Jets of water projected from any direction shall have no harmful effect.
6	 Dust tight. No ingress of dust. No access to hazardous parts with a wire.	6	 Strong jets of water projected from any direction shall have no harmful effect.
1B	 Test finger penetration to a maximum of 80 mm must not contact hazardous parts.	7	 Temporary immersion in water shall not result in ingress of harmful quantities of water.
		8	 Continuous immersion in water shall not result in ingress of harmful quantities of water.



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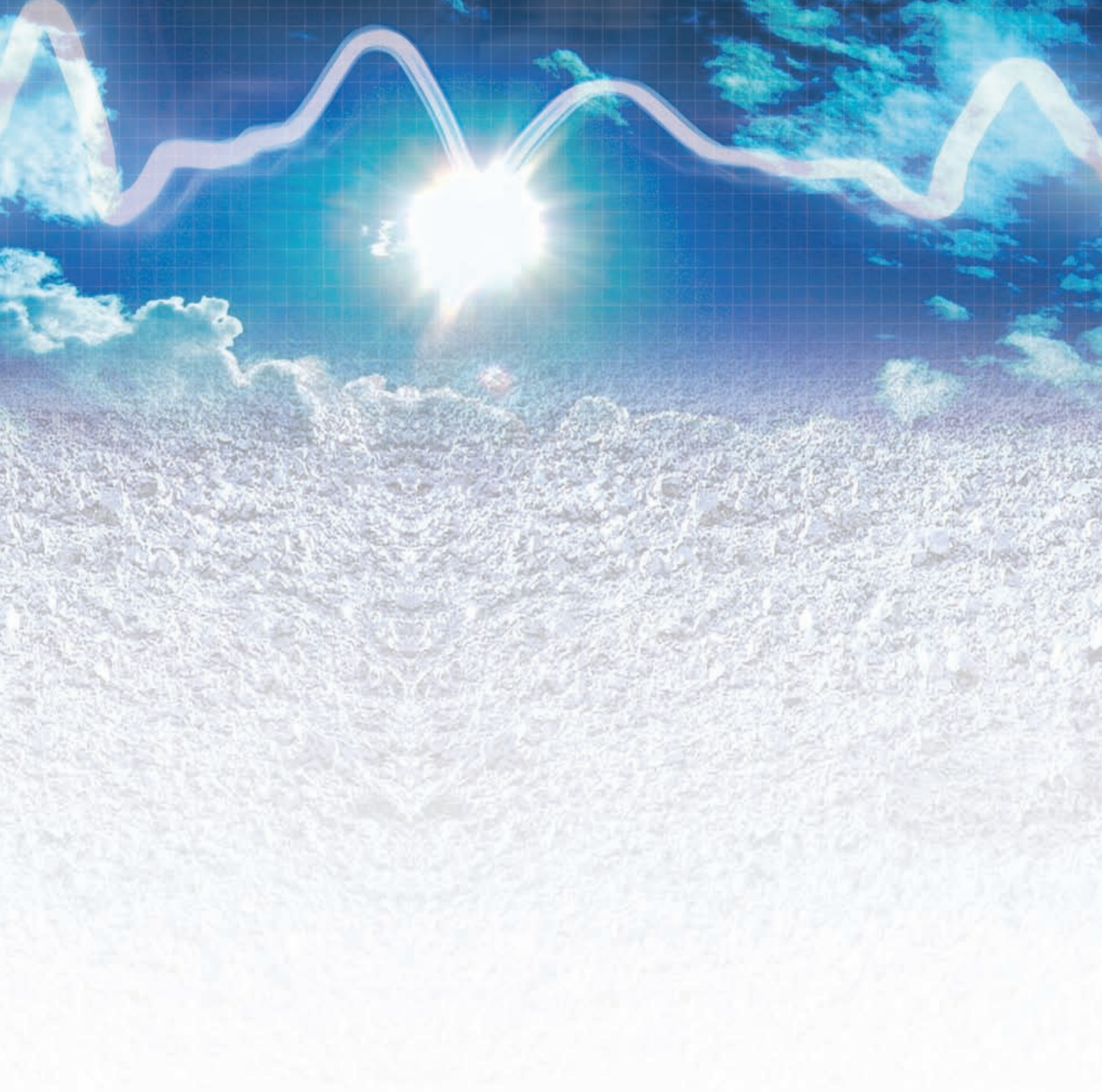
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