



## SWITCH CATALOGUE POLISHED STAINLESS STEEL

## **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.

Stainless steel enclosure

160 × 100 × 105 mm

20 A / 25 A / 32 A

Main/Emergency-Off Switch ■  
Main Switch ■

3 ... 4 pole

IP66

Polished stainless steel 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 - 092N4

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

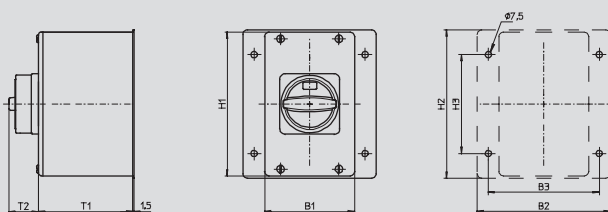
Detailed technical data page 14.

Switching progr.	Poles	Auxiliary contacts		Switching progr.	Poles	Auxiliary contacts	
		n/o	n/c			n/o	n/c
41300	3	0	0	41400	4	0	0
41311	3	1	1	41411	4	1	1
41320	3	2	0	41420	4	2	0
41322	3	2	2	46300	3	0	0 (with N-terminal)
41331	3	3	1	46311	3	1	1 (with N-terminal)
41340	3	4	0	46320	3	2	0 (with N-terminal)

Switching diagrams page 10.

Mounting form	Operator	Main/Emergency-Off Switch	Mounting form	Operator	Main Switch
092N4		N-padlock device yellow/red	092N1		N-padlock device black
092M4		M-padlock device yellow/red	092M1		M-padlock device black
092V4		padlockable with V-handle yellow/red	092V1		padlockable with V-handle silver/black

Dimensions in mm:



Mounting form	H1	B1	T1	T2	H2	H3	B2	B3
092N4 / 092N1	160	100	105	33	165	110	149	123.5
092M4 / 092M1	160	100	105	38	165	110	149	123.5
092V4 / 092V1	160	100	105	39	165	110	149	123.5

Stainless steel enclosure

160 × 100 × 105 mm

20 A / 25 A / 32 A

■ ON-OFF Switch

3 ... 4 pole

IP66

Polished stainless steel enclosure  
Cover interlock in ON position



Order code structure:

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

Type - Switching programme - Mounting form


H216 - 41300 - 090M1

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

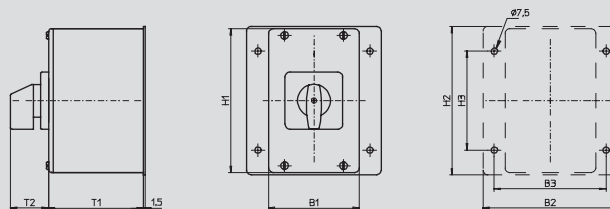
Detailed technical data page 14.

Switching progr.	Poles	Auxiliary contacts		Switching progr.	Poles	Auxiliary contacts	
		n/o	n/c			n/o	n/c
41300	3	0	0	41400	4	0	0
41311	3	1	1	41411	4	1	1
41320	3	2	0	41420	4	2	0
41322	3	2	2	46300	3	0	0 (with N-terminal)
41331	3	3	1	46311	3	1	1 (with N-terminal)
41340	3	4	0	46320	3	2	0 (with N-terminal)

Switching diagrams page 10.

Mounting form	Operator
090M1	 M-handle silver/black

Dimensions in mm:



Mounting form	H1	B1	T1	T2	H2	H3	B2	B3
090M1	160	100	105	39	165	110	149	123.5

Stainless steel enclosure

160 × 160 × 110 mm

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

Main/Emergency-Off Switch ■  
Main Switch ■

3 ... 4 pole

IP66

Polished stainless steel enclosure  
Cover interlock in ON position



Order code structure:

Ordering example: 4 pole Main/Emergency-Off Switch, 63 A, padlockable with V-handle:

Type - Switching programme - Mounting form

H263 - 41400 - 192N4

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
H263	63	22	18.5

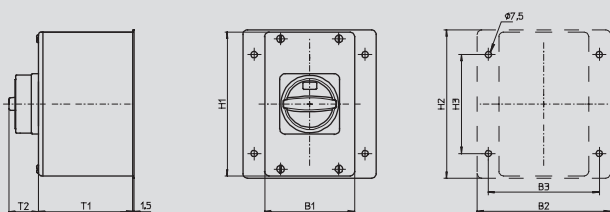
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Switching progr.	Poles	Auxiliary contacts		Switching progr.	Poles	Auxiliary contacts	
		n/o	n/c			n/o	n/c
41300	3	0	0	41400	4	0	0
41311	3	1	1	41411	4	1	1
41320	3	2	0	41420	4	2	0
41322	3	2	2	46300	3	0	0 (with N-terminal)
41331	3	3	1	46311	3	1	1 (with N-terminal)
41340	3	4	0	46320	3	2	0 (with N-terminal)

Switching diagrams page 10.

Mounting form	Operator	Main/Emergency-Off Switch	Mounting form	Operator	Main Switch
192N4		N-padlock device yellow/red	192N1		N-padlock device black
192M4		M-padlock device yellow/red	192M1		M-padlock device black
192V4		padlockable with V-handle yellow/red	192V1		padlockable with V-handle silver/black

Dimensions in mm:



Mounting form	H1	B1	T1	T2	H2	H3	B2	B3
192N4 / 192N1	160	160	110	33	165	110	210	185
192M4 / 192M1	160	160	110	38	165	110	210	185
192V4 / 192V1	160	160	110	39	165	110	210	185

# Enclosed switches

# Disconnect Switches

## Stainless steel enclosure

160 × 160 × 110 mm

20 A / 25 A / 32 A / 40 A

- Main/Emergency-Off Switch
- Main Switch

6 ... 8 pole

### IP66

Polished stainless steel enclosure  
Cover interlock in ON position



#### Order code structure:

Ordering example: 6 pole Main/Emergency-Off Switch, 20 A, N-padlock device:

Type - Switching programme - Mounting form

H216 - 41600 - 194N4

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

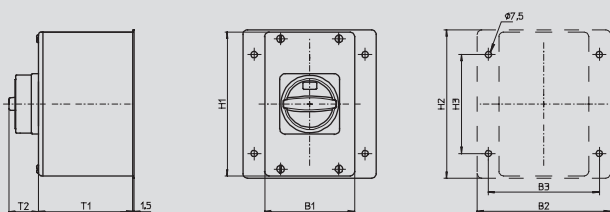
Detailed technical data page 14.

Switching progr.	Poles	Auxiliary contacts	
		n/o	n/c
41600	6	0	0
41611	6	1	1
41620	6	2	0
41622	6	2	2
41631	6	3	1
41640	6	4	0
41800	8	0	0

Switching diagrams page 10.

Mounting form	Operator	Main/Emergency-Off Switch	Mounting form	Operator	Main Switch
194N4		N-padlock device yellow/red	194N1		N-padlock device black
194M4		M-padlock device yellow/red	194M1		M-padlock device black
194V4		padlockable with V-handle yellow/red	194V1		padlockable with V-handle silver/black

#### Dimensions in mm:



Mounting form	H1	B1	T1	T2	H2	H3	B2	B3
194N4 / 194N1	160	160	110	33	165	110	210	185
194M4 / 194M1	160	160	110	38	165	110	210	185
194V4 / 194V1	160	160	110	39	165	110	210	185

Stainless steel enclosure

160 × 160 × 110 mm

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

ON-OFF Switch ■

3 ... 4 pole

IP66

Polished stainless steel enclosure  
Cover interlock in ON position



Order code structure:

Ordering example: 4 pole ON-OFF Switch, 32A, M-handle:

Type - Switching programme - Mounting form


H226 - 41400 - 190M1

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
H263	63	22	18.5

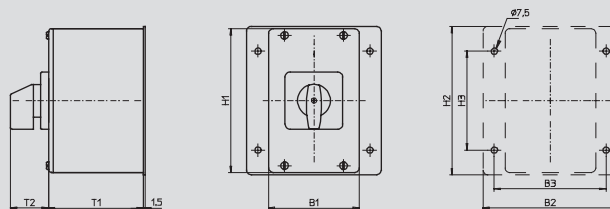
Detailed technical data page 14.

Switching progr.	Poles	Auxiliary contacts		Switching progr.	Poles	Auxiliary contacts	
		n/o	n/c			n/o	n/c
41300	3	0	0	41400	4	0	0
41311	3	1	1	41411	4	1	1
41320	3	2	0	41420	4	2	0
41322	3	2	2	46300	3	0	0 (with N-terminal)
41331	3	3	1	46311	3	1	1 (with N-terminal)
41340	3	4	0	46320	3	2	0 (with N-terminal)

Switching diagrams page 10.

Mounting form	Operator
190M1	 M-handle silver/black

Dimensions in mm:



Mounting form	H1	B1	T1	T2	H2	H3	B2	B3
190M1	160	160	110	39	165	110	210	185

Stainless steel enclosure

160 × 160 × 110 mm

20 A / 25 A / 32 A / 40 A

■ ON-OFF Switch

6 ... 8 pole

IP66

Polished stainless steel enclosure  
Cover interlock in ON position



Order code structure:

Ordering example: 6 pole ON-OFF Switch, 25A, M-handle:

Type - Switching programme - Mounting form


H220 - 41600 - 191M1

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

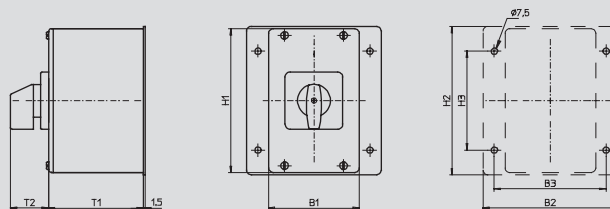
Detailed technical data page 14.

Switching progr.	Poles	Auxiliary contacts	
		n/o	n/c
41600	6	0	0
41611	6	1	1
41620	6	2	0
41622	6	2	2
41631	6	3	1
41640	6	4	0
41800	8	0	0

Switching diagrams page 10.

Mounting form	Operator
191M1	 <p>M-handle silver/black</p>

Dimensions in mm:



Mounting form	H1	B1	T1	T2	H2	H3	B2	B3
191M1	160	160	110	39	165	110	210	185



Stainless steel enclosure

160 × 160 × 110 mm

20 A / 25 A / 32 A / 40 A

Changeover Switch

3 ... 4 pole

IP66

Polished stainless 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 - 193M1

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

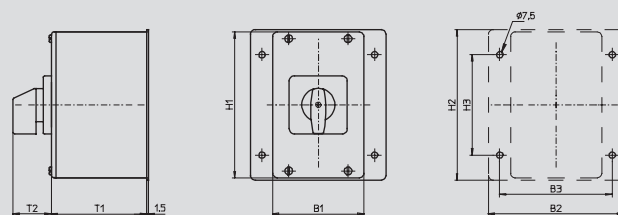
Detailed technical data page 14.

Switching progr.	Poles	Auxiliary contacts				Switching progr.	Poles	Auxiliary contacts			
		n/o pos. 1	n/c pos. 1	n/o pos. 2	n/c pos. 2			n/o pos. 1	n/c pos. 1	n/o pos. 2	n/c pos. 2
71300	3	0	0	0	0	71312	3	1	1	2	0
71301	3	0	0	1	1	71320	3	2	0	0	0
71302	3	0	0	2	0	71321	3	2	0	1	1
71310	3	1	1	0	0	71322	3	2	0	2	0
71311	3	1	1	1	1	71400	4	0	0	0	0

Switching diagrams page 10.

Mounting form	Operator	Padlockable options
193M1	M-handle silver/black	not padlockable
193V1	padlockable with V-handle silver/black	OFF position padlockable 12h
195V1	padlockable with V-handle silver/black	3 positions padlockable (09h/12h/03h)

Dimensions in mm:



Mounting form	H1	B1	T1	T2	H2	H3	B2	B3
193V1 / 195V1 / 193M1	160	160	110	39	165	110	210	185

Switching diagrams 41300 – 41411

	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

	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

	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

	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

	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

	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

	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

	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

Switching diagrams 41420–41800

<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

<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

Switching diagrams 46300 – 71311

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

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

<b>46311</b>	14   22   1/L1   3/L2   5/L3   N
SMD	13   21   2/T1   4/T2   6/T3   N 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
SMD	43   33   2/T1   4/T2   6/T3   N 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>71300</b>	1/L1   1/L2   1/L3   2/L1   2/L2   2/L3
SMD	1T1   1T2   1T3   2T1   2T2   2T3 71300

**Changeover Switches**  
 Switching programme 71300  
 3 pole without auxiliary contacts

<b>71301</b>	1/L1   1/L2   1/L3   2/L1   2/L2   2/L3	21   13	Stellung/Position
		22   14	
SMD	1T1   1T2   1T3   2T1   2T2   2T3	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>	1/L1   1/L2   1/L3   2/L1   2/L2   2/L3	33   43	Stellung/Position
		34   44	
SMD	1T1   1T2   1T3   2T1   2T2   2T3	MD	2

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

<b>71310</b>	14   22   1/L1   1/L2   1/L3   2/L1   2/L2   2/L3	Stellung/Position	
SMD	13   21   1T1   1T2   1T3   2T1   2T2   2T3	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   1/L1   1/L2   1/L3   2/L1   2/L2   2/L3	31   23	Stellung/Position
		32   24	
SMD	13   21   1T1   1T2   1T3   2T1   2T2   2T3	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

Switching diagrams 71312–71400

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

**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			
	Stellung/Position						
SMD	1	43	33	1T1   1T2   1T3   2T1   2T2   2T3			
		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	
	Stellung/Position						Stellung/Position
SMD	1	43	33	1T1   1T2   1T3   2T1   2T2   2T3	22	14	
		MD		71300			MB

**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	
	Stellung/Position						Stellung/Position
SMD	1	43	33	1T1   1T2   1T3   2T1   2T2   2T3	54	64	
		MD		71300			ME

**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
SMD	MA	1T1   1T2   1T3   2T1   2T2   2T3	MA
		71300	

**Changeover Switches**

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

Technical Data

General			H216	H220	H226	H233	H263	
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>	
Max. operating frequency / h			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 20ms)			g	> 25	> 25	> 25	> 25	> 25
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
Impulse withstand voltage U <sub>imp</sub>			kV	6	6	6	6	6
Overvoltage category				III	III	III	III	III
Pollution degree				3	3	3	3	3
Uninterrupted current I <sub>u</sub> / I <sub>in</sub> / I <sub>the</sub>			A	20	25	32	40	63
Load carrying capacity in intermittend operation, class 12				AB	60%/40%/25% DF = 1.3/1.6/2 × I <sub>e</sub>			
Breaking capacity								
	220 – 240 V	A	150	250	300	330	500	
	380 – 440 V	A	150	250	300	330	500	
	500 – 690 V	A	100	150	190	220	270	
Short-circuit rating								
Max. fuse			gL	20	25	35	40	63
Conditional short-circuit current			kA <sub>eff</sub>	15	15	15	15	15
Isolating characteristics to EN 60947			up to ... V AC	690	690	690	690	690
Switching angle				90°	90°	90°	90°	90°
Contacts (current paths)			max	8	8	8	8	4
Current heat loss per contact at I <sub>u</sub>			W	0.8	0.8	1.8	2.1	3.0
Terminal capacity								
solid or stranded	min	mm <sup>2</sup>	1	1	1	1	4	
	max	mm <sup>2</sup>	10	10	10	10	16	
flexible or multiwire including ferrule	min	mm <sup>2</sup>	0.75	0.75	0.75	0.75	2.5	
	max	mm <sup>2</sup>	6	6	6	6	10	
American Wire Gauge			AWG	8	8	8	8	6
Thread dimensions for terminal screw				M4	M4	M4	M4	M4
Terminal tightening torque			min max	Nm Nm	1.2 2.5	1.2 2.5	1.2 2.5	1.2 2.5

Technical Data

Rated data			H216	H220	H226	H233	H263
Operational current I <sub>e</sub>							
AC-21A		A	20	25	32	40	63
AC-22A	220 – 240 V	A	20	25	32	40	63
	660 – 690 V	A	16	20	32	40	63
AC-23A (cos φ=0.65) 400 V			12	16	24	32	47
UL / CSA General Use	300 V AC	A	20	25	30	40	60
	600 V AC	A	20	25	30	40	60
Operational power at 50 – 60 Hz, 3 phase							
AC-23A	220 – 240 V	kW	3	4	5.5	7.5	15
	380 – 440 V	kW	5.5	7.5	11	15	22
	500 V	kW	5.5	7.5	11	15	22
	660 – 690 V	kW	5.5	7.5	11	15	22
AC-3	220 – 240 V	kW	2.2	3	4	5.5	11
	380 – 440 V	kW	3.7	5.5	7.5	11	18.5
	500 V	kW	3.7	5.5	7.5	11	18.5
	660 – 690 V	kW	3.7	5.5	7.5	11	18.5
UL / CSA	110 – 120 V AC	HP	1	1.5	2	3	5
	208 V AC	HP	2	3	5	7.5	10
	220 – 240 V AC	HP	2	3	5	7.5	15
	440 – 480 V AC	HP	3	5	10	15	30
	550 – 600 V AC	HP	5	5	10	15	40

Rated data (auxiliary contacts)

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

Conformity

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





## sälzer

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