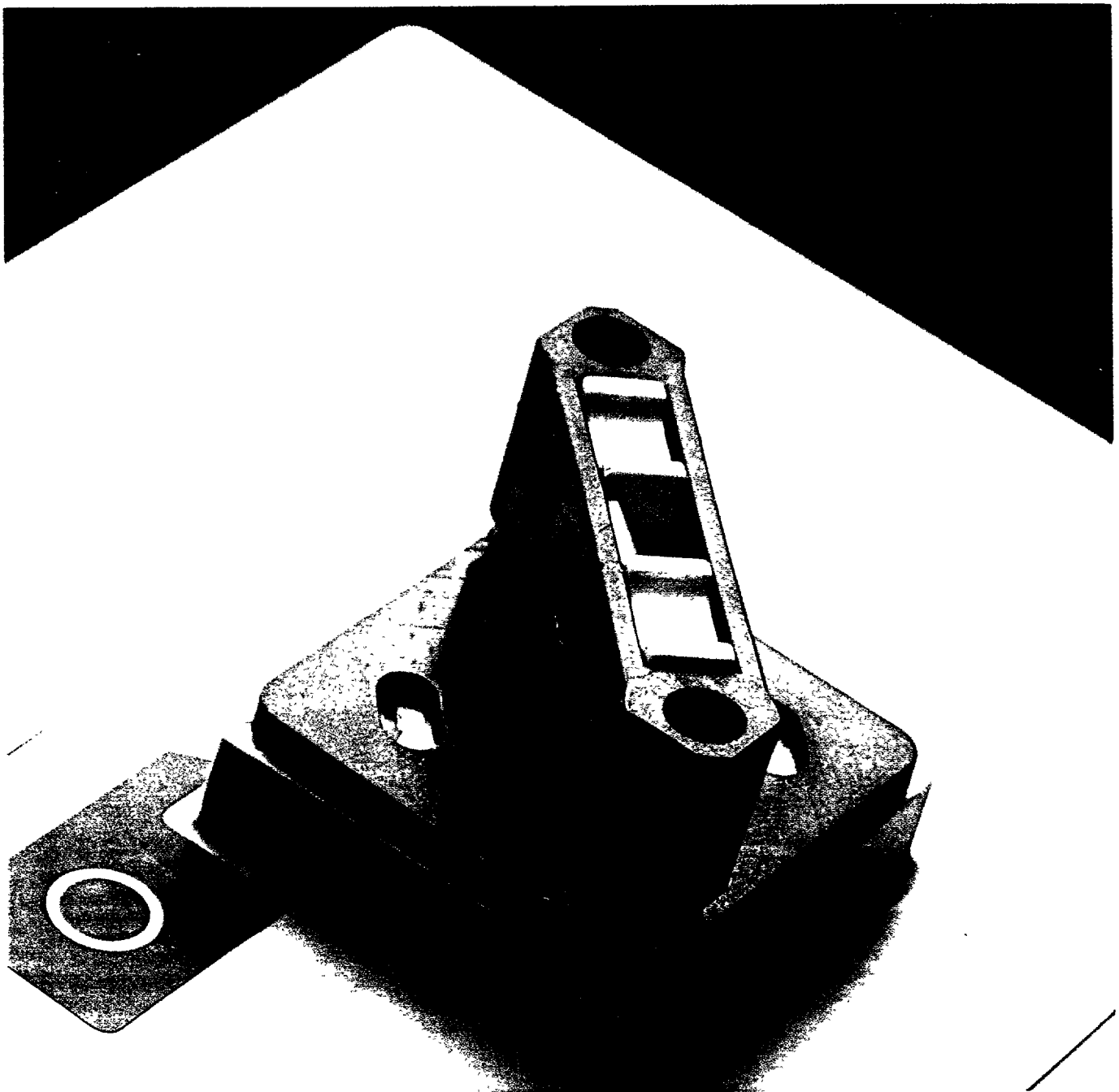


448-783
to
448-825.

Assortment guide
Asea Control Safety switches



Asea Control Safety switches

Asea Control safety switches provide the sense of security that is so essential when repair and maintenance work is being done on electrical equipment. An Asea Control safety switch operates reliably, has contact position indication you can trust, and can be padlocked, eliminating the risk of accidents due to unauthorised starts. Asea has a complete range of these switches, all designed for the ultimate in safety.

A range to meet every need

The Asea Control range of safety switches is comprehensive, with a wide choice of options for various fields of application. The range extends up to operating voltages of 660 V, rated operating current AC-23 16-630 A. Safety switches up to 100 A rating are available in triple-pole or six-pole versions. Switches above 63 A rating will accept both copper and aluminium cables. The enclosure is made of polycarbonate, sheet steel or light alloy. Special variants to meet the requirements and regulations of various countries are also available.

Convenient and simple to use

Asea Control safety switches are very simple to use, so simple that they really do get used! What's more, they are easy to operate, with clear position indications and a smooth operating mechanism.

Easy to install

The enclosure have generous connection spaces in which even heavy aluminium cables can easily be connected using the new cable clamp. Connections can be made from above or below.

Where both incoming and outgoing cables enter from below, larger sizes of switch can be fitted with an extra connection unit, available as an accessory. This makes connecting the cables extremely easy.

Asea Control Apparatus

Asea offers a complete range of modern low-voltage controlgear called Asea Control. The Asea Control range includes contactors, relays, pushbuttons, monitors, limit switches, load switches, safety switches, starters and circuit-breakers for various applications. The range also features electronic devices such as time relays, soft starters and arc monitors.

ASEA DISTRIBUTION

Asea Control Safety switches

The safety switches are designed, among other things, to conform to the following standards:
IEC 408, SS 428 06 05, KY 11979 and VDE 0113.

Approval (where such is required) from:
SEMKO; DEMKO; NEMKO; Elektriska Inspektoratet (Finland);
For comprehensive data, refer to Catalogue SK 34-1E.



SMH 16/AEMKD 16

Rated insulation voltage, U_i	V	660	380 V in Sweden	
Rated thermal current, I_{th}	A	25		
Rated operational current, I_e at $U_e = 380$ and 415 V A		25		
Utilization category	500 V	A	25	AC-21 and AC-22 not valid for safety switches in Nordic countries
AC-21/AC-22	660 V	A	25	
Max motor output, P_e at $U_e = 380$ V	kW	7,5		
Utilization category	415 V	kW	7,5	} U_e Max 380 V in Nordic countries
AC-23	500 V	kW	11	
	660 V	kW	-	
Max fuse rating at $U_e = \leq 500$ V	A	35T		
with characteristic according to IEC 269-1 (T = Delayed fuse)	660 V	A	-	
Dimensions (Height x Width x Depth)	mm		Plastic enclosed	Metal enclosed
	mm		3-pole: 112 x 98 x 55	140 x 126 x 77
			6-pole: 112 x 156 x 55	
Cable entry at the top and at the bottom		2 x Pg 16	6-pole version also D=19	
			Knock-outs at the top of plastic enclosures.	
			Conduit entry ISO 4 x 20 in variants for UK, Australia and New Zealand	
Connection cable clamp		Cu		
Catalogue number	Degree of protection	3-pole plastic enclosed	6-pole plastic enclosed	3-pole metal enclosed
Sweden (S) SS 428 06 05,	IP 54	SK 341 011-AA	SK 341 021-AA	SK 341 011-AA
Norway (N), Iceland	IP 65	SK 341 011-AB	SK 341 021-AB	SK 341 021-AA
Finland (F) KY 119 79	IP 55	SK 341 211-AA	SK 341 221-AA	SK 341 211-AA
Denmark (D)	IP 65	SK 341 511-AA	SK 341 521-AA	SK 341 511-AA
United Kingdom	IP 65	SK 341 411-AB		SK 341 411-AB
Australia, New Zealand	IP 65	SK 341 611-AA		SK 341 611-AA
Rest of the world VDE 0113	IP 65	SK 341 711-AA	SK 341 721-AA	SK 341 711-AA
		3-pole metal enclosed AEMKD 16	(S)	3-pole metal enclosed AEMKD 16
		IP 54 SK 116 093-LC		IP 54 SK 116 093-LC

Accessories

Auxiliary contact blocks	SK 359 102-AA Only for 6-pole	
Neutral terminals	SK 175 601-K Only for 3-pole metal enclosure	3-pole
Parallel operating unit		6-pole
Cover interlock		
Connection unit*		

*For both incoming and outgoing cables at the bottom of the enclosure.



SMH 36/AEMKD 40

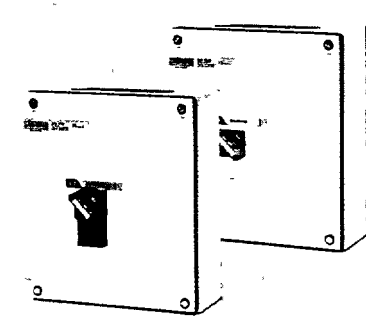


SMH 63/AEMKD 80

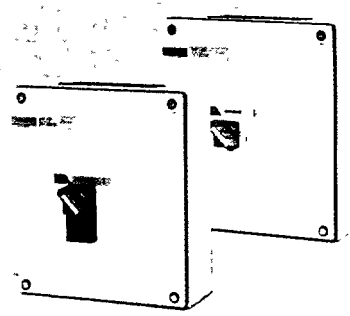
60		660	
63		100	
63	AC-21 and AC-22 not valid for safety switches in Nordic countries	100	AC-21 and AC-22 not valid for safety switches in Nordic countries
63		100	
63		100	
8,5	} Max 11 kW in Finland	30	} Max 22 kW in Finland
8,5		30	
8,5		30	
12		30	
3T		100	
3T		100	
Plastic enclosed	Metal enclosed	Plastic enclosed	Metal enclosed
186 × 135 × 142	180 × 150 × 132.5	3-pole: 186 × 135 × 142	180 × 150 × 132.5
230 × 200 × 184		6-pole: 230 × 200 × 184	
29	Knock-outs at the top of 3-pole plastic enclosure. Conduit entry ISO 4 × 32, 2 × 16 in variants for UK, Australia and New Zealand.	2 × Pg 29	Knock-outs at the top of 3-pole plastic enclosure. Conduit entry ISO 4 × 35, 2 × 16 in variants for UK, Australia and New Zealand.
11	6-pole plastic enclosure, see SMH 100 FL 13 in metal enclosure.	1 × Pg 11	6-pole plastic enclosure, see SMH 100 FL 13 in metal enclosure.
		Cu	
3-pole plastic enclosure	6-pole plastic enclosure	3-pole plastic enclosure	6-pole plastic enclosure
SK 342 002-AA	SK 342 004-AA	SK 343 002-AA	SK 343 004-AA
SK 342 202-AA	SK 342 204-AA	SK 343 202-AA	SK 343 204-AA
SK 342 502-AA	SK 342 504-AA	SK 343 502-AA	SK 343 504-AA
SK 342 402-AA	SK 342 404-AA	SK 343 402-AA	SK 343 404-AA
SK 342 602-AA	SK 342 604-AA	SK 343 602-AA	SK 343 604-AA
SK 342 702-AA	SK 342 704-AA	SK 343 702-AA	SK 343 704-AA
metal enclosed AEMKD 40	(FI)	3-pole metal enclosed AEMKD 80	(FI)
SK 116 093-FC		IP 65 SK 116 093-HC	
SK 359 102-AD			
Plastic enclosed: SK 175 601-P	3-pole metal enclosed: SK 175 06 43 (Disconnectible)	Mounting plate	
Plastic enclosed: SK 359 125-AA	3-pole metal enclosed: SK 175 601-B (Non disconnectible)	SK 175 2065	
SK 359 023-AA Standard in metal enclosures and plastic enclosures for Denmark and United Kingdom.			
Interlocked			



SMH 100



SMH 125



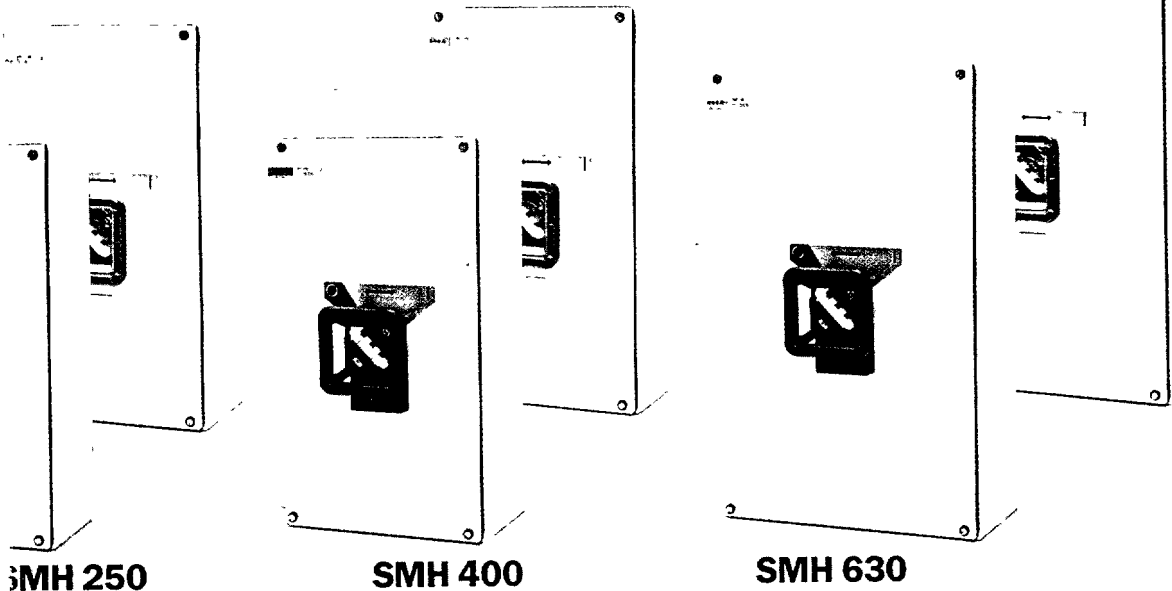
SMH 160

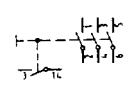
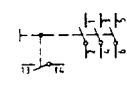
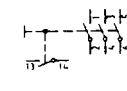
	660		660		660		660
	125		200		250		355
	125	AC-21 and AC-22 not valid for safety switches in Nordic countries	200	AC-21 and AC-22 not valid for safety switches in Nordic countries	250	AC-21 and AC-22 not valid for safety switches in Nordic countries	355
	125		200		250		355
	125		200 *		250**		355
	45	Max 30 kW in Finland	55	Max 30 kW in Finland	75	Max 45 kW in Finland	185
	55		75		90		185
	55	Max 37 kW in Finland	75	Max 37 kW in Finland	110	Max 55 kW in Finland	220
	55		90		110		220
	125		200		250		400
	125		200		224		355
	Plastic enclosed 3-pole: 230 × 200 × 184		Metal enclosed 3-pole: 350 × 300 × 207		Metal enclosed 3-pole: 350 × 300 × 207		Metal e 3-pole:
	FL 13	Knock-outs both at the top and at the bottom	FL 21	Blanking plates included in variants for non Nordic countries	FL 21	Blanking plates included in variants for non Nordic countries	at the top
	2 × D = 29		1 × D = 23		at the bottom		2 × FL 2
	Al/Cu		Al/Cu Cu in Swe, Nor, Icel, and Den.		Al/Cu Cu in Swe, Nor, Icel, and Den		Al/Cu
	SK 344 002-AA SK 344 202-AA SK 344 502-AA SK 344 402-AA SK 344 602-AA SK 344 702-AA		SK 345 002-AA SK 345 202-AA SK 345 502-AA SK 345 402-AA SK 345 602-AA SK 345 702-AA		SK 346 002-AA SK 346 202-AA SK 346 502-AA SK 346 402-AA SK 346 602-AA SK 346 702-AA		SK 347 SK 347 SK 347 SK 347 SK 347 SK 347



*180 A AC-22

**225 A AC-22

	 SK 359 101-AA SK 359 101-AB		SK 359
	SK 359 125-AA	SK 359 125-AB	SK 359
	SK 359 111-AA	SK 359 111-AB	
off-position	Standard in enclosures for Denmark and United Kingdom. Interlocked in off-position.		



SMH 250	SMH 400	SMH 630
	660	660
	500	630
AC-21 and AC-22 not valid for safety switches in Nordic countries	500 500 500 <i>AC-21 and AC-22 not valid for safety switches in Nordic countries</i>	630 630 630 <i>AC-21 and AC-22 not valid for safety switches in Nordic countries</i>
Max 160 kW in Finland	250 } 315 } <i>Max 200 kW in Finland</i>	315 355 } <i>Max 315 kW in Finland</i>
Max 200 kW in Finland	280 } 355 } <i>Max 250 kW in Finland</i>	400 560 } <i>Max 500 kW in Finland</i>
	500 500	800 630
Plastic enclosed 500 × 350 × 350	Metal enclosed 3-pole: 650 × 350 × 350	Metal enclosed 3-pole: 750 × 450 × 354
1 blanking plate included in variants for Nordic countries 3 blanking plates included in variants for non Nordic countries.	at the top: 1 × FL 21 at the bottom: 2 × FL 21 1 blanking plate included in variants for Nordic countries 3 blanking plates included in variants for non Nordic countries	at the top: 1 × FL 21 at the bottom: 2 × FL 21 1 blanking plate included in variants for Nordic countries 3 blanking plates included in variants for non Nordic countries
in Swe, Nor, Ice and Den	Al/Cu	Al/Cu
02-AA 02-AA 02-AA 02-AA 02-AA 02-AA 	SK 348 002-AA SK 348 202-AA SK 348 502-AA SK 348 402-AA SK 348 602-AA SK 348 702-AA 	SK 349 002-AA SK 349 202-AA SK 349 502-AA SK 349 402-AA SK 349 602-AA SK 349 702-AA 

0-C			SK 359 100-D
5-AC	SK 359 125-AD		
SK 359 111-BB			
SK 359 161-AA		SK 359 161-AB	