

References

Rating (A)	No. of poles	Switch body	Direct handle	External handle with position 0 padlocking	External handle with 3 position padlocking	Shaft extension for external front handle	Auxiliary contact	Terminal shrouds	Bridging kit			
25 A	3 P	2230 3002	Blue 2239 5012 Red 2239 5013	S000 type I - 0 - II Black IP65 1463 5113 ⁽¹⁾	S01 type I - 0 - II Black IP65 1403 2813	S00, S000 type 150 mm 1407 0515	M type contact NO + NC 2299 0001 M type contact 2 NO 2299 0011	1 P 2294 1005 ⁽²⁾ 3 P 2294 3005 ⁽²⁾	3 P 2299 3005 4 P 2299 4005			
	4 P	2230 4002								200 mm 1407 0520		
40 A	3 P	2230 3004				S00 type I - 0 - II Black IP65 1473 1113 ⁽¹⁾		S01 type I - 0 - II Black IP65 1403 2813	320 mm 1407 0532	S01 type 200 mm 1404 0520	1 P 2294 1009 ⁽²⁾ 3 P 2294 3009 ⁽²⁾	3 P 2299 3009 4 P 2299 4009
	4 P	2230 4004										
63 A	3 P	2230 3006				S01 type I - 0 - II Black IP65 1403 2113 ⁽¹⁾		S01 type I - 0 - II Black IP65 1403 2813	320 mm 1404 0532	S01 type 200 mm 1404 0520	1 P 2294 1009 ⁽²⁾ 3 P 2294 3009 ⁽²⁾	3 P 2299 3009 4 P 2299 4009
	4 P	2230 4006										
80 A	3 P	2230 3008				S00 type I - 0 - II Black IP65 1473 1113 ⁽¹⁾		S01 type I - 0 - II Black IP65 1403 2813	320 mm 1404 0532	S01 type 200 mm 1404 0520	1 P 2294 1009 ⁽²⁾ 3 P 2294 3009 ⁽²⁾	3 P 2299 3009 4 P 2299 4009
	4 P	2230 4008										
100 A	3 P	2230 3010				S00 type I - 0 - II Black IP65 1473 1113 ⁽¹⁾		S01 type I - 0 - II Black IP65 1403 2813	320 mm 1404 0532	S00 type 150 mm 1409 0615 200 mm 1409 0620 320 mm 1409 0632	1 P 2294 1011 ⁽²⁾ 3 P 2294 3016 ⁽²⁾	
	4 P	2230 4010										
125 A	3 P	2230 3011	S00 type I - 0 - II Black IP65 1473 1113 ⁽¹⁾	S01 type I - 0 - II Black IP65 1403 2813	320 mm 1409 0632	S00 type 150 mm 1409 0615 200 mm 1409 0620 320 mm 1409 0632	1 P 2294 1011 ⁽²⁾ 3 P 2294 3016 ⁽²⁾					
	4 P	2230 4011							320 mm 1409 0632			

(1) Defeatable handle.

(2) 2 pieces: For upstream or downstream protection on one side of the changeover switch.

Accessories

See "SIRCO M switches", page 31.

Characteristics according to IEC 60947-3

Thermal current I_{th} (40 °C)	25 A	40 A	63 A	80 A	100 A	125 A
Rated insulation voltage U_i (V)	800	800	800	800	800	800
Rated impulse withstand voltage U_{imp} (kV)	8	8	8	8	8	8

Rated operational currents I_e (A)

Rated voltage	Utilisation category	A/B ⁽¹⁾	A/B ⁽¹⁾	A/B ⁽¹⁾	A/B ⁽¹⁾	A/B ⁽¹⁾	A/B ⁽¹⁾
415 VAC	AC-20 A / AC-20 B	25/25	40/40	63/63	80/80	100/100	125/125
415 VAC	AC-21 A / AC-21 B	25/25	40/40	63/63	80/80	100/100	125/125
415 VAC	AC-22 A / AC-22 B	25/25	40/40	63/63	80/80	100/100	125/125
415 VAC	AC-23 A / AC-23 B	25/25	40/40	63/63	80/80	100/100	125/125

Operational power in AC-23 (kW)

At 400 VAC without pre-break in AC-23 (kW) ⁽²⁾	11.3	18	28.4	35.5	45	56.3
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Fuse protected short-circuit withstand (kA rms prospective)

Prospective short-circuit (kA rms) ⁽³⁾	50	50	50	50	50	25
Associated fuse rating (A) ⁽³⁾	25	40	63	80	100	125

Circuit breaker protected short-circuit withstand with any circuit breaker that ensures tripping in less than 0.3s⁽⁴⁾

Rated short-time withstand current 0.3s I_{cw} (kA rms)	2.3	2.3	2.74	2.74	5	5
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Short-circuit capacity (without protection)

Rated short-time withstand current 1s. I_{cw} (kA rms)	1.26	1.26	1.5	1.5	2.75	2.75
Rated short-circuit making capacity I_{cm} (kA peak)	1.8	1.8	2.1	2.1	3.9	3.9

Connection

Minimum Cu cable cross-section (mm ²)	1.5	1.5	2.5	2.5	10	10
Maximum Cu cable cross-section (mm ²)	16	16	35	35	70	70
Tightening torque mini / maxi (Nm)	2 / 2.2	2 / 2.2	3.5 / 3.85	3.5 / 3.85	4 / 4.4	4 / 4.4

Mechanical characteristics

Durability (number of operating cycles)	10000	10000	10000	10000	10000	8000
Weight of a 3 pole device (kg)	0.41	0.41	0.58	0.58	1.1	1.1
Weight of a 4 pole device (kg)	0.51	0.51	0.75	0.75	1.46	1.46

(1) Category with index A = frequent operation - Category with index B = infrequent operation.

(2) The power value is given for information only, the current values vary from one manufacturer to another.

(3) For a rated operational voltage $U_e = 400$ VAC.

(4) Value for coordination with any circuit breaker that ensures tripping in less than 0.3s. For coordination with specific a-breaker references, higher short-circuit current values are available. Please consult us.