

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 200 mm 1407 0520 320 mm 1407 0532 | 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 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 40 A | 3 P | 2230 3004 | | | | | | Blue 2239 5012 Red 2239 5013 | S00 type I - 0 - II Black IP65 1473 1113 ⁽¹⁾ | S01 type I - 0 - II Black IP65 1403 2813 | S01 type 200 mm 1404 0520 320 mm 1404 0532 | M type contact NO + NC 2299 0001 M type contact 2 NO 2299 0011 | 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 | | | | | | | | | | | Blue 2239 5012 Red 2239 5013 | S01 type I - 0 - II Black IP65 1403 2113 ⁽¹⁾ | S01 type I - 0 - II Black IP65 1403 2813 | S01 type 200 mm 1404 0520 320 mm 1404 0532 | M type contact NO + NC 2299 0001 M type contact 2 NO 2299 0011 | 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 | | | | | | | | | | | | | | | | Blue 2239 5012 Red 2239 5013 | S00 type I - 0 - II Black IP65 1473 1113 ⁽¹⁾ | S01 type I - 0 - II Black IP65 1403 2813 | S00 type 150 mm 1409 0615 200 mm 1409 0620 320 mm 1409 0632 | M type contact NO + NC 2299 0001 M type contact 2 NO 2299 0011 | 1 P 2294 1011 ⁽²⁾ 3 P 2294 3016 ⁽²⁾ | | | | | | |
| | 4 P | 2230 4008 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 100 A | 3 P | 2230 3010 | | | | | | | | | | | | | | | | | | | | | Blue 2239 5012 Red 2239 5013 | S00 type I - 0 - II Black IP65 1473 1113 ⁽¹⁾ | S01 type I - 0 - II Black IP65 1403 2813 | S00 type 150 mm 1409 0615 200 mm 1409 0620 320 mm 1409 0632 | M type contact NO + NC 2299 0001 M type contact 2 NO 2299 0011 | 1 P 2294 1011 ⁽²⁾ 3 P 2294 3016 ⁽²⁾ | |
| | 4 P | 2230 4010 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 125 A | 3 P | 2230 3011 | Blue 2239 5012 Red 2239 5013 | S00 type I - 0 - II Black IP65 1473 1113 ⁽¹⁾ | S01 type I - 0 - II Black IP65 1403 2813 | S00 type 150 mm 1409 0615 200 mm 1409 0620 320 mm 1409 0632 | M type contact NO + NC 2299 0001 M type contact 2 NO 2299 0011 | | | | | | | | | | | | | | | | | | | | | 1 P 2294 1011 ⁽²⁾ 3 P 2294 3016 ⁽²⁾ | |
| | 4 P | 2230 4011 | | | | | | | | | | | | | | | | | | | | | | | | | | | |

(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⁾ |
| 415 VAC | AC-20 A / AC-20 B | | 25/25 | 40/40 | 63/63 | 80/80 |
| 415 VAC | AC-21 A / AC-21 B | | 25/25 | 40/40 | 63/63 | 80/80 |
| 415 VAC | AC-22 A / AC-22 B | | 25/25 | 40/40 | 63/63 | 80/80 |
| 415 VAC | AC-23 A / AC-23 B | | 25/25 | 40/40 | 63/63 | 80/80 |
| 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 |
| 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 |
| Short-circuit capacity (without protection) | | | | | | |
| Rated short-time withstand current 1s I _{sw} (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.