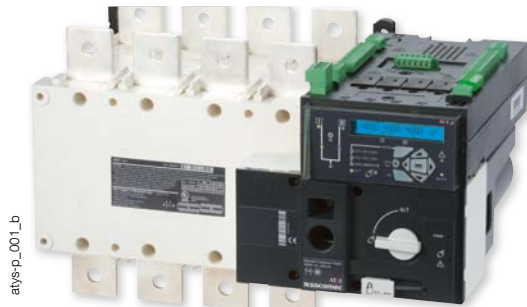


ATyS

Automatic and remotely operated transfer switches from 125 to 3200 A



ATyS p
1-O-II 4P



ATyS d
1-O-II 4P

Function

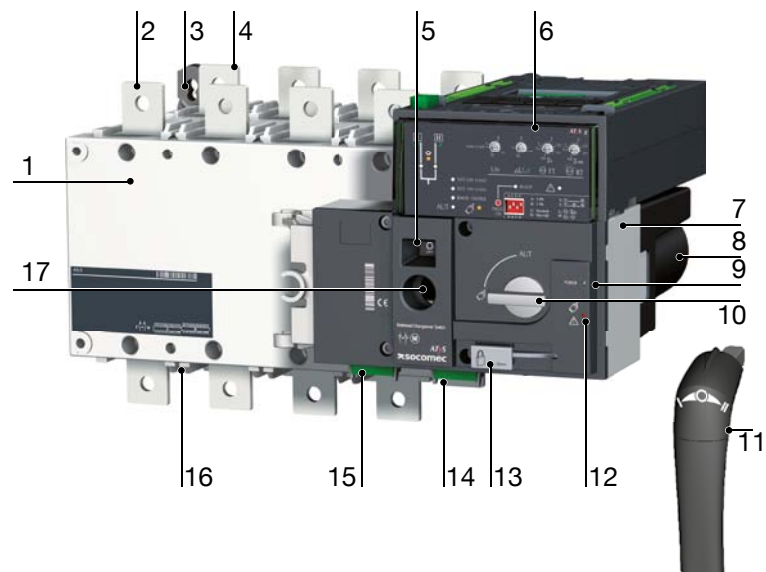
The **ATyS** are three-phase motorised transfer switches with positive break indication. They enable the on load transfer of two three-phase supplies via remote volt-free contacts, from either an external automatic controller, using pulse logic, or a switch for a very basic version. The most pronounced version in automatic mode enable the monitoring of, and the on load transfer switching between, two power supply sources, in accordance with the parameters configured via pushbuttons and an LCD screen.

They are intended for use in low voltage power systems where interruption of the load supply is acceptable during transfer.

Description

This quick-acting source transfer switch incorporates:

1. Power Section: transfer switch assembly with inherent mechanical interlock
2. Front: switch number 1 terminals (3 or 4 pole)
3. Back-plate mounting ATyS fixing lugs
4. Back: switch number 2 terminals (3 or 4 pole)
5. Switch position indication window: I (On) – O (Off) – II (On)
6. ATS control module with integrated dual power supply
7. Motorized Control Unit
8. Motor housing
9. Green LED Indication: power
10. Auto / Manual mode selector switch
11. Emergency manual operation "Direct Handle"
12. Red LED Indication: Product Unavailable / Manual Mode / Fault Condition
13. Padlocking facility (up to 3 padlocks of dia. 4 – 8mm)
Facility for locking all controls in the zero position using a RONIS EL11AP Lock
14. Output contacts x 4 (position indication I-O-II and product availability outputs)
15. Input contacts
16. Sliders for terminal shields
17. Emergency manual operation shaft location (accessible only in manual mode)



References

| Description | No. of poles | Part number | Aux. supply | Switch type | Application |
|-------------|--------------|-------------|-------------|---------------------------------|---|
| ATyS r | 3 P | 9523 3*** | 230 VAC | Remote Transfer Switch (RTS) | Remote Transfer Switch Equipment |
| | 4 P | 9523 4*** | | | Dual power supply |
| ATyS d | 3 P | 9533 3*** | | Automatic Transfer Switch (ATS) | Automatic controller to manage mains/ mains applications |
| | 4 P | 9533 4*** | | | Automatic controller to manage mains/ genset applications |
| ATyS g | 3 P | 9553 3*** | | Automatic Transfer Switch (ATS) | Automatic controller to manage mains/ genset applications |
| | 4 P | 9553 4*** | | | Functions for energy management communication options |
| ATyS p | 3 P | 9573 3*** | | | |
| | 4 P | 9573 4*** | | | |

** - stands for a two characters of a partnumber depending on the rating of the switch

Characteristics according to IEC 60947-3 and IEC 60947-6-1

125 to 630 A / B3 to B5

| Thermal current I_{th} at 40°C | 125 A | 160 A | 200 A | 250 A | 315 A | 400 A | 500 A | 630 A | | |
|---|-----------------------------|-------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|------------|
| Frame size | B3 | B3 | B3 | B4 | B4 | B4 | B5 | B5 | | |
| Rated insulation voltage U_i (V) (power circuit) | 800 | 800 | 800 | 1000 | 1000 | 1000 | 1000 | 1000 | | |
| Rated impulse withstand voltage U_{imp} (kV) (power circuit) | 8 | 8 | 8 | 12 | 12 | 12 | 12 | 12 | | |
| Rated insulation voltage U_i (V) (operation circuit) | 300 | 300 | 300 | 300 | 300 | 300 | 300 | 300 | | |
| Rated impulse withstand voltage U_{imp} (kV) (operation circuit) | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | | |
| Rated operational currents I_e (A) according to IEC 60947-6-1 | | | | | | | | | | |
| Rated voltage | Utilisation category | | A/B⁽¹⁾ | A/B⁽¹⁾ | A/B⁽¹⁾ | A/B⁽¹⁾ | A/B⁽¹⁾ | A/B⁽¹⁾ | A/B⁽¹⁾ | |
| 415 VAC | AC-31 B | | 125 | 160 | 200 | 250 | 315 | 400 | 500 | 630 |
| 415 VAC | AC-32 B | | | | | 200 | 315 | 400 | 500 | 500 |
| 415 VAC | AC-33 B | | | | | 200 | 200 | 200 | 400 | 400 |
| Rated operational currents I_e (A) according to IEC 60947-3 | | | | | | | | | | |
| Rated voltage | Utilisation category | | A/B⁽¹⁾ | 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 | | 125/125 | 160/160 | 200/200 | 250/250 | 315/315 | 400/400 | 500/500 | 630/630 |
| 415 VAC | AC-21 A / AC-21 B | | 125/125 | 160/160 | 200/200 | 250/250 | 315/315 | 400/400 | 500/500 | 630/630 |
| 415 VAC | AC-22 A / AC-22 B | | 125/125 | 160/160 | 200/200 | 250/250 | 315/315 | 400/400 | 500/500 | 630/630 |
| 415 VAC | AC-23 A / AC-23 B | | 125/125 | 160/160 | 200/200 | 200/200 | 315/315 | 400/400 | 500/500 | 630/630 |
| 500 VAC | AC-20 A / AC-20 B | | 125/125 | 160/160 | 200/200 | 250/250 | 315/315 | 400/400 | 500/500 | 630/630 |
| 500 VAC | AC-21 A / AC-21 B | | 125/125 | 160/160 | 200/200 | 250/250 | 315/315 | 400/400 | 500/500 | 630/630 |
| 500 VAC | AC-22 A / AC-22 B | | 125/125 | 160/160 | 200/200 | 200/250 | 200/315 | 200/400 | 500/500 | 500/500 |
| 500 VAC | AC-23 A / AC-23 B | | 80/80 | 80/80 | 80/80 | 200/200 | 200/200 | 200/200 | 400/400 | 400/400 |
| Fuse protected short-circuit withstand as per IEC 60947-3 at 690 VAC | | | | | | | | | | |
| Prospective short-circuit current (kA rms) | | | 100 ⁽²⁾ | 100 ⁽²⁾ | 50 ⁽²⁾ | 50 | 50 | 50 | 50 | 50 |
| Associated fuse rating (A) | | | 125 | 160 | 200 | 250 | 315 | 400 | 500 | 630 |
| 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_{ow} (kA rms) | | | 12 ⁽²⁾ | 12 ⁽²⁾ | 12 ⁽²⁾ | 15 | 15 | 15 | 17 | 17 |
| Rated short-circuit withstand without protection | | | | | | | | | | |
| Rated short-time withstand current 60ms I_{ow} (kA rms) as per IEC 60947-6-1 at 415 VAC | | | | | | 10 ⁽³⁾ | 10 ⁽³⁾ | 10 ⁽³⁾ | 10 | 12.6 |
| Rated short-time withstand current 1s I_{ow} (kA rms) as per IEC 60947-3 at 690 VAC | | | 7 ⁽²⁾ | 7 ⁽²⁾ | 7 ⁽²⁾ | 8 | 8 | 8 | 10 | 10 |
| Rated peak withstand current (kA peak) as per IEC 60947-3 at 690 VAC | | | 20 | 20 | 20 | 30 | 30 | 30 | 45 | 45 |
| Connection | | | | | | | | | | |
| Maximum Cu cable cross-section (mm ²) | | | 35 | 50 | 70 | 95 | 150 | 185 | 240 | 2 x 150 |
| Minimum Cu busbar cross-section (mm ²) | | | | | | | | | | 2 x 30 x 5 |
| Maximum Cu cable cross-section (mm ²) | | | 50 | 95 | 120 | 150 | 240 | 240 | 2 x 185 | 2 x 300 |
| Maximum Cu busbar width (mm) | | | 25 | 25 | 25 | 32 | 32 | 32 | 50 | 50 |
| Tightening torque mini / maxi (Nm) | | | 9/13 | 9/13 | 9/13 | 20/26 | 20/26 | 20/26 | 20/26 | 20/26 |
| Switching time (Standard setting) | | | | | | | | | | |
| I - II or II - I (s) | | | 0.75 | 0.75 | 0.75 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 |
| I-0 or 0-II (s) | | | 0.45 | 0.45 | 0.45 | 0.85 | 0.85 | 0.85 | 0.85 | 0.85 |
| Duration of "electrical blackout" I - II (s) | | | 0.3 | 0.3 | 0.3 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 |
| Power supply | | | | | | | | | | |
| min / max (VAC) | | | 166/332 | 166/332 | 166/332 | 166/332 | 166/332 | 166/332 | 166/332 | 166/332 |
| Control supply power demand | | | | | | | | | | |
| Power supply 230 VAC inrush / nominal (VA) - ATYS | | | 184/92 | 184/92 | 184/92 | 276/115 | 276/115 | 276/115 | 276/150 | 276/150 |
| Power supply 230 VAC inrush / nominal (VA) - ATYS d, t, g, p | | | 206/114 | 206/114 | 206/114 | 298/137 | 298/137 | 298/137 | 298/172 | 298/172 |
| Mechanical characteristics | | | | | | | | | | |
| Durability (number of operating cycles) | | | 10 000 | 10 000 | 10 000 | 8 000 | 8 000 | 8 000 | 5 000 | 5 000 |
| Weight ATYS 3/4 P (kg) | | | 5.7/6.9 | 5.7/6.9 | 5.7/6.9 | 6.6/7.4 | 6.7/7.8 | 6.7/7.8 | 11.4/13.3 | 11.9/14.0 |
| Weight ATYS d 3/4 P (kg) | | | 6.3/7.5 | 6.3/7.5 | 6.3/7.5 | 7.2/8.0 | 7.3/8.4 | 7.3/8.4 | 12.0/13.9 | 12.5/14.6 |
| Weight ATYS r, t, g, p 3/4 P (kg) | | | 6.8/8.0 | 6.8/8.0 | 6.8/8.0 | 7.7/8.5 | 7.8/8.9 | 7.8/8.9 | 12.5/14.4 | 13.0/15.1 |

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

(2) At 415 VAC.

(3) At 30ms.

(4) Value for coordination with any circuit-breaker that ensures tripping in less than 0.3s.

For coordination with specific circuit-breaker references, higher short-circuit current values are available. Please consult us.

800 to 3200 A / B6 to B8

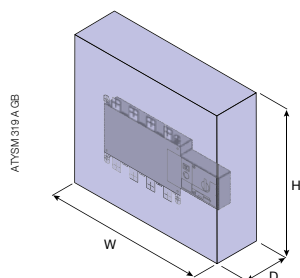
| Thermal current I_{th} at 40°C | 800 A | 1000 A | 1250 A | 1600 A | 2000 A | 2500 A | 3200 A |
|---|-----------------------------|------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|
| Frame size | B6 | B6 | B6 | B7 | B8 | B8 | B8 |
| Rated insulation voltage U_i (V) (power circuit) | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 |
| Rated impulse withstand voltage U_{imp} (kV) (power circuit) | 12 | 12 | 12 | 12 | 12 | 12 | 12 |
| Rated insulation voltage U_i (V) (operation circuit) | 300 | 300 | 300 | 300 | 300 | 300 | 300 |
| Rated impulse withstand voltage U_{imp} (kV) (operation circuit) | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| Rated operational currents I_e (A) according to IEC 60947-6-1 | | | | | | | |
| Rated voltage | Utilisation category | | A/B⁽¹⁾ | A/B⁽¹⁾ | A/B⁽¹⁾ | A/B⁽¹⁾ | A/B⁽¹⁾ |
| 415 VAC | AC-31 B | | 800 | 1000 | 1250 | 1600 | 2000 |
| 415 VAC | AC-32 B | | 800 | 1000 | 1250 | 1600 | 2000 |
| 415 VAC | AC-33 B | | 800 | 800 | 800 | 1000 | 1250 |
| Rated operational currents I_e (A) according to IEC 60947-3 | | | | | | | |
| Rated voltage | Utilisation category | | A/B⁽¹⁾ | A/B⁽¹⁾ | A/B⁽¹⁾ | A/B⁽¹⁾ | A/B⁽¹⁾ |
| 415 VAC | AC-20 A / AC-20 B | | 800/800 | 1000/1000 | 1250/1250 | 1600/1600 | 2000/2000 |
| 415 VAC | AC-21 A / AC-21 B | | 800/800 | 1000/1000 | 1250/1250 | 1600/1600 | -/2000 |
| 415 VAC | AC-22 A / AC-22 B | | 800/800 | 1000/1000 | 1250/1250 | 1600/1600 | -/2500 |
| 415 VAC | AC-23 A / AC-23 B | | 800/800 | 1000/1000 | 1250/1250 | 1250/1250 | -/1600 |
| 500 VAC | AC-20 A / AC-20 B | | 800/800 | 1000/1000 | 1250/1250 | 1600/1600 | 2000/2000 |
| 500 VAC | AC-21 A / AC-21 B | | 800/800 | 1000/1000 | 1250/1250 | 1600/1600 | -/2500 |
| 500 VAC | AC-22 A / AC-22 B | | 630/630 | 800/800 | 1000/1000 | 1600/1600 | -/1600 |
| 500 VAC | AC-23 A / AC-23 B | | 400/400 | 630/630 | 800/800 | 1000/1000 | 3200/3200 |
| Fuse protected short-circuit withstand as per IEC 60947-3 at 415 VAC | | | | | | | |
| Prospective short-circuit current (kA rms) | 50 | 100 | 100 | 100 | | | |
| Associated fuse rating (A) | 800 | 1000 | 1250 | 2 x 800 | | | |
| Circuit breaker protected short-circuit withstand with any circuit breaker that ensures tripping in less than 0.3s⁽²⁾ | | | | | | | |
| Rated short-time withstand current 0.3s I_{cw} (kA rms) | 47 | 64 | 64 | 78 | 78 | 78 | 78 |
| Rated short-circuit withstand without protection | | | | | | | |
| Rated short-time withstand current 60ms I_{cw} (kA rms) as per IEC 60947-6-1 at 415 VAC | 16 | 20 | 25 | 32 | 40 | 50 | 50 |
| Rated short-time withstand current 1s I_{cw} (kA rms) as per IEC 60947-3 at 415 VAC | 26 | 35 | 35 | 50 | 50 | 50 | 50 |
| Rated peak withstand current (kA peak) as per IEC 60947-3 at 415 VAC | 55 | 55 | 80 | 110 | 120 | 120 | 120 |
| Connection | | | | | | | |
| Maximum Cu cable cross-section (mm ²) | 2 x 185 | 2 x 240 | | | | | |
| Minimum Cu busbar cross-section (mm ²) | 2 x 50 x 5 | 2 x 50 x 5 | 2 x 60 x 5 | 2 x 80 x 5 | 2 x 100 x 10 | 2 x 100 x 10 | 2 x 100 x 10 |
| Maximum Cu cable cross-section (mm ²) | 2 x 300 | 4 x 185 | 4 x 185 | 6 x 185 | | | |
| Maximum Cu busbar width (mm) | 63 | 63 | 63 | 100 | 100 | 100 | 100 |
| Tightening torque mini / maxi (Nm) | 20/26 | 20/26 | 20/26 | 40/45 | 40/45 | 40/45 | 40/45 |
| Switching time (Standard setting) | | | | | | | |
| I - II or II - I (s) | 2.6 | 2.6 | 2.6 | 2.6 | 2 | 2 | 2 |
| I-0 or II-0 (s) | 1.6 | 1.6 | 1.6 | 1.6 | 1 | 1 | 1 |
| Duration of "electrical blackout" I - II (s) | 1.5 | 1.5 | 1.5 | 1.6 | 1 | 1 | 1 |
| Power supply | | | | | | | |
| min / max (VAC) | 166/332 | 166/332 | 166/332 | 166/332 | 166/332 | 166/332 | 166/332 |
| Control supply power demand | | | | | | | |
| Power supply 230 VAC inrush / nominal (VA) - ATYS | 460/184 | 460/184 | 460/184 | 460/230 | 812/322 | 812/322 | 812/322 |
| Power supply 230 VAC inrush / nominal (VA) - ATYS d, t, g, p | 482/206 | 482/206 | 482/206 | 482/252 | 834/344 | 834/344 | 834/344 |
| Mechanical characteristics | | | | | | | |
| Durability (number of operating cycles) | 4 000 | 4 000 | 4 000 | 3 000 | 3 000 | 3 000 | 3 000 |
| Weight ATYS 3/4 P (kg) | 27.9/32.2 | 28.4/32.9 | 28.9/33.6 | 33.1/39.4 | 50.7/61.6 | 50.7/61.6 | 61.0/75.3 |
| Weight ATYS d 3/4 P (kg) | 28.5/32.8 | 29.0/33.5 | 29.5/34.2 | 33.7/40.0 | 51.3/62.2 | 51.3/62.2 | 61.6/75.9 |
| Weight ATYS r, t, g, p 3/4 P (kg) | 29.0/33.3 | 29.5/34.0 | 30.0/34.7 | 34.2/40.5 | 51.8/62.7 | 51.8/62.7 | 62.1/76.4 |

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

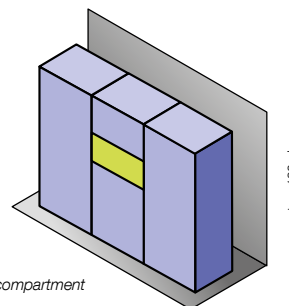
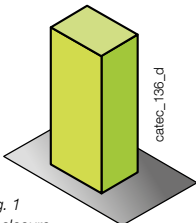
(2) Value for coordination with any circuit-breaker that ensures tripping in less than 0.3s.

For coordination with specific circuit-breaker references, higher short-circuit current values are available. Please consult us.

Product integration data in compliance with IEC / EN 61439-1



Below listed data is applicable to :



| Dimensions of the Functional Unit | | | Mounting | | Max operational current, I _e (A) | | | | | | | | |
|---|--------|--------|-----------|------------------|---|-------|-------|-------|-------|-------|------------|------------|--|
| H (mm) | W (mm) | D (mm) | Enclosure | Orientation | 125 A | 160 A | 200 A | 250 A | 315 A | 400 A | 500 A | 630 A | |
| 400 | 500 | 320 | Fig. 1/2 | V ⁽²⁾ | 125 | 160 | 200 | 250 | 300 | 370 | | | |
| | | | Fig. 1/2 | H ⁽²⁾ | 125 | 150 | 180 | 250 | 290 | 330 | | | |
| 600 | 500 | 330 | Fig. 1/2 | V ⁽²⁾ | | | | | 315 | 400 | 470 | 500 | |
| | | | Fig. 1/2 | H ⁽²⁾ | | | | | 300 | 360 | 450 | 500 | |
| 800 | 600 | 400 | Fig. 1 | V ⁽²⁾ | | | | | | | 500 | 630 | |
| | | | | | Min cross-section, mm ² | | | | | | | | |
| Insulated flat copper braids (mm ²) P/N 4516 xxxx | | | | | 25 | 25 | 50 | 50 | 120 | 120 | 240 | 240 | |
| Cable (mm ²) | | | | | 50 | 70 | 95 | 120 | 185 | 240 | 2 x 150 | 2 x 185 | |
| Cu busbar (mm ²) | | | | | | | | | | | 2 x 30 x 5 | 2 x 40 x 5 | |

| Dimensions of the Functional Unit | | | Mounting | | Max operational current, I _e (A) | | | | | | |
|-----------------------------------|--------|--------|-----------|------------------|---|------------|------------|-------------|---------------------|---------------------|---------------------|
| H (mm) | W (mm) | D (mm) | Enclosure | Orientation | 800 | 1000 | 1250 | 1600 | 2000 | 2500 | 3200 |
| 1000 | 800 | 650 | Fig. 1 | V ⁽²⁾ | 800 | 1000 | 1000 | 1450 | 2000 ⁽¹⁾ | 2350 ⁽¹⁾ | 2750 ⁽¹⁾ |
| | | | Fig. 1 | H ⁽²⁾ | 750 | 900 | 950 | 1375 | 2000 ⁽¹⁾ | 2300 ⁽¹⁾ | 2550 ⁽¹⁾ |
| 800 | 800 | 600 | Fig. 1/2 | V ⁽²⁾ | 800 | 900 | 950 | 1375 | 2000 ⁽¹⁾ | 2250 ⁽¹⁾ | 2700 ⁽¹⁾ |
| | | | Fig. 1/2 | H ⁽²⁾ | 750 | 850 | 900 | 1300 | 2000 ⁽¹⁾ | 2200 ⁽¹⁾ | 2500 ⁽¹⁾ |
| | | | | | Min cross-section, mm ² | | | | | | |
| Cable (mm ²) | | | | | 2 x 240 | 4 x 150 | 4 x 185 | 4 x 240 | 8 x 150 | 8 x 185 | 8 x 240 |
| Cu busbar (mm ²) | | | | | 2 x 50 x 5 | 2 x 60 x 5 | 2 x 80 x 5 | 2 x 100 x 5 | 2 x 100 x 10 | 2 x 100 x 10 | 3 x 100 x 10 |

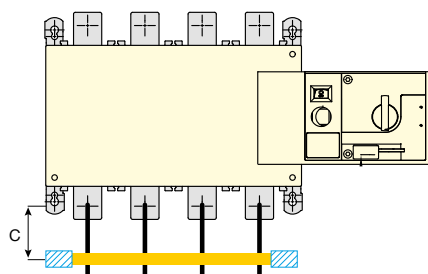
(1) Mounted with connection part 26191200

(2) V : vertical mounting; H: horizontal mounting

| Heat dissipation | | | | | | | | |
|--------------------------------|-----|-----|-----|-----|-----|------|-----|------|
| Rating (A) | 125 | 160 | 200 | 250 | 315 | 400 | 500 | 630 |
| Switch heat dissipation W/pole | 1.9 | 3.2 | 4.1 | 5.9 | 7.8 | 15.1 | 17 | 32.4 |

| Maximum ambient temperature | |
|-----------------------------|------|
| External | 35°C |
| Internal | 60°C |

| Heat dissipation | | | | | | | | |
|--------------------------------|------|------|------|------|------|------|------|------|
| Rating (A) | 800 | 1000 | 1250 | 1600 | 1800 | 2000 | 2500 | 3200 |
| Switch heat dissipation W/pole | 41.7 | 46.9 | 80 | 122 | 153 | 178 | 255 | 330 |



| Recommended tightening torque | Maximum tightening torque |
|-------------------------------|---------------------------|
| M6: 4.5 N.m | M6: 5.4 N.m |
| M8: 8.3 N.m | M8: 13 N.m |
| M10: 20 N.m | M10: 26 N.m |
| M12: 40 N.m | M12: 45 N.m |

| | |
|--|--------|
| C - Min power connections length | 400 mm |
| C - Min distance to first cable fixing support | 400 mm |

Circuit breaker protected short-circuit withstand*

| Serie | In | Icu | SIEMENS SENTRON VL 160X | SIEMENS SENTRON VL 160 | SIEMENS SENTRON VL 250 | SIEMENS SENTRON VL 400 | SIEMENS SENTRON VL 630 | SIEMENS SENTRON VL 800 | SIEMENS SENTRON VL 1200 | SIEMENS SENTRON VL 1600 | SIEMENS SENTRON VF 1250 | SIEMENS SENTRON VL 2500 |
|--------|--------|-----|-------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|-------------------------|-------------------------|-------------------------|-------------------------|
| | | | 3VL1 70 kA | 3VL2 100 kA | 3VL3 100 kA | 3VL4 100 kA | 3VL5 100 kA | 3VL6 100 kA | 3VL7 100 kA | 3VL8 100 kA | 3VF7 68 kA | 3VF8 64 kA |
| ATYS | 125 A | 27 | 25 | - | - | - | - | - | - | - | - | - |
| | 160 A | 27 | 25 | - | - | - | - | - | - | - | - | - |
| | 200 A | 27 | 25 | - | - | - | - | - | - | - | - | - |
| | 250 A | 54 | 48 | 43 | - | - | - | - | - | - | - | - |
| | 315 A | T | T | T | 26 | 23 | 21 | - | - | - | - | - |
| | 400 A | T | T | T | 26 | 23 | 21 | - | - | - | - | - |
| | 500 A | T | T | T | 53 | 46 | 40 | - | - | - | - | - |
| | 630 A | T | T | T | 53 | 46 | 40 | - | - | - | - | - |
| | 800 A | T | T | T | 80 | 70 | 63 | 27 | 27 | - | - | - |
| | 1000 A | T | T | T | T | T | T | 47 | 47 | 44 | 40 | 40 |
| | 1250 A | T | T | T | T | T | T | 47 | 47 | 44 | 40 | 40 |
| | 1600 A | T | T | T | T | T | T | T | 75 | T | 64 | 64 |
| | 1800 A | T | T | T | T | T | T | T | T | T | 64 | 64 |
| | 2000 A | T | T | T | T | T | T | T | T | T | T | T |
| 2500 A | T | T | T | T | T | T | T | T | T | T | T | |
| 3200 A | T | T | T | T | T | T | T | T | T | T | T | |

| Serie | In | Icu | SCHNEIDER NS & NSX 160/250 | | | | | | SCHNEIDER NS & NSX 400 | | | SCHNEIDER NS & NSX 630 (+800L) | | | SCHNEIDER NS 1000 | SCHNEIDER NS 800/1000/1250/1600 | | SCHNEIDER Masterpact NT | SCHNEIDER Masterpact NW | SCHNEIDER Masterpact NW |
|--------|--------|-----|----------------------------|-------|-------|-------|-------|--------|------------------------|-------|--------|--------------------------------|-------|--------|-------------------|---------------------------------|-------|-------------------------|-------------------------|-------------------------|
| | | | E | NE | N | SX | H | L | N | H | L | N | H | L | L | N | H | L1 | L1 | H3 |
| | | | 16 kA | 25 kA | 36 kA | 50 kA | 70 kA | 150 kA | 45 kA | 70 kA | 150 kA | 45 kA | 70 kA | 150 kA | 150 kA | 50 kA | 70 kA | 130 kA | 150 kA | 150 kA |
| ATYS | 125 A | T | T | T | 43 | 57 | 57 | T | 53 | - | - | - | - | - | - | - | - | - | - | - |
| | 160 A | T | T | T | 43 | 57 | 57 | T | 53 | - | - | - | - | - | - | - | - | - | - | - |
| | 200 A | T | T | T | 43 | 57 | 57 | T | 53 | - | - | - | - | - | - | - | - | - | - | - |
| | 250 A | T | T | T | T | T | T | T | 53 | 53 | - | - | - | - | - | - | - | - | - | - |
| | 315 A | T | T | T | T | T | T | T | 53 | 53 | - | - | - | - | - | - | - | - | - | - |
| | 400 A | T | T | T | T | T | T | T | 53 | 53 | 37 | 37 | 37 | - | - | - | - | - | - | - |
| | 500 A | T | T | T | T | T | T | T | T | T | T | T | 100 | 43 | 24 | 24 | - | - | - | - |
| | 630 A | T | T | T | T | T | T | T | T | T | T | T | 100 | 43 | 24 | 24 | - | - | - | - |
| | 800 A | T | T | T | T | T | T | T | T | T | T | T | T | 70 | 28 | 28 | - | - | - | - |
| | 1000 A | T | T | T | T | T | T | T | T | T | T | T | T | T | 38 | 38 | - | - | - | - |
| | 1250 A | T | T | T | T | T | T | T | T | T | T | T | T | T | 38 | 38 | - | - | - | - |
| | 1600 A | T | T | T | T | T | T | T | T | T | T | T | T | T | T | 53 | T | 60 | 52 | 52 |
| | 1800 A | T | T | T | T | T | T | T | T | T | T | T | T | T | T | T | T | 60 | 52 | 52 |
| | 2000 A | T | T | T | T | T | T | T | T | T | T | T | T | T | T | T | T | 70 | 57 | 57 |
| 2500 A | T | T | T | T | T | T | T | T | T | T | T | T | T | T | T | T | 70 | 57 | 57 | |
| 3200 A | T | T | T | T | T | T | T | T | T | T | T | T | T | T | T | T | 70 | 57 | 57 | |

* - Subjected to MCCB's short circuit current limiting curves reading precision and data.

T- coordination possible up to the Max Icu value of the breaker

Values are based on characteristics published by breaker manufacturers at the time of the publication. Socomec cannot be held responsible for any modifications of those characteristics or for non-performance of circuit breakers

