



Voltmeter & Ammeter Switches

Voltmeter and ammeter selector switches are used to switch between phases for measurement on a three phase system.

Voltmeter selector switches are available to switch between line-line voltage or line-line and line-neutral voltage while the ammeter selector switch switches between the three phase line currents. The output from the switch can then be fed to an analogue or digital measuring instrument.

The switches offer long term switching reliability and high current switching contacts. The switch facia measures 48mm by 60mm and the switch terminals are fingerproof. A wide choice of interchangeable legend plates are available to suit each switch.

Models Available

C174 3 Phase 3 Wire Voltmeter Switch

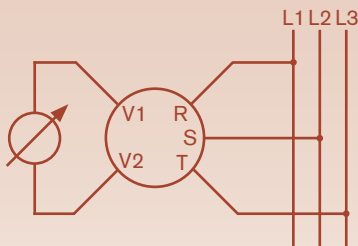
C176 3 Phase 4 Wire Voltmeter Switch

C178 Ammeter Switch

Product Features

- 48mm x 60mm front facia
- Choice of interchangeable legend plates
- 600Vac and 16A rated
- Fingerproof screw clamp terminals

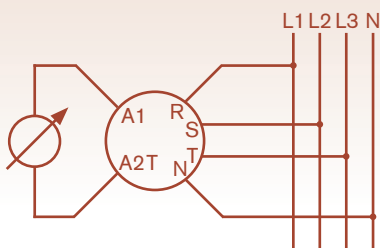
For switching between phases to measure 3 phase voltage or current



C174 Voltmeter Selector Switch

For connection to a 3 phase 3 wire system.

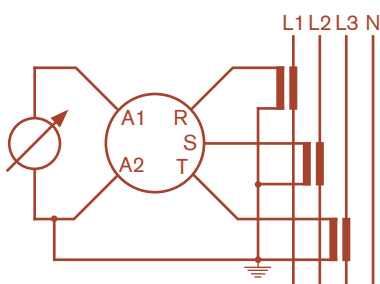
P53	P54	P55
VOLTMETER O	VOLTMETER OFF	VOLTMETER O
TR RS	BR RY	L3L1 L1L2
ST	YB	L2L3



C176 Voltmeter Selector Switch

For connection to a 3 phase 4 wire system.

P56	P57	P58
VOLTMETER OFF	VOLTMETER OFF	VOLTMETER OFF
RS RN	RY RN	L1L2 L1-N
ST SN	YB YN	L2L3 L2-N
TR TN	BR BN	L3L1 L3-N

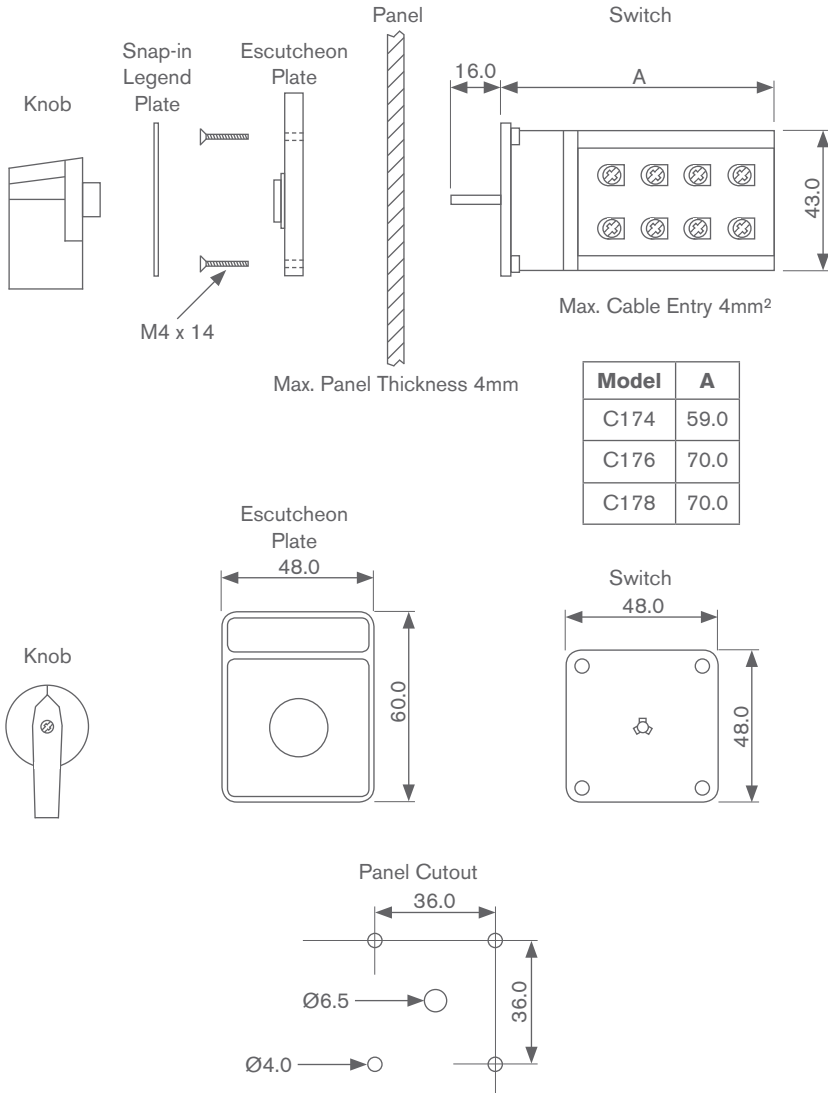


C178 Ammeter Selector Switch

For connection to a 3 phase 3 wire or 3 phase 4 wire system.

P61	P62
AMMETER O	AMMETER O
T R	3 1
S	2
P63	P64
AMMETER OFF	AMMETER O
B R	L3 L1
Y	L2

Dimensions



All dimensions in mm

Ordering information

Code	Switch Type	Legend Plate
C174	3 Phase 3 Wire Voltmeter Switch	-
C176	3 Phase 4 Wire Voltmeter Switch	-
C178	3 Phase Ammeter Switch	-
P53	-	O, RS, ST, TR (C174 only)
P54	-	OFF, RY, YB, BR (C174 only)
P55	-	OFF, L1L2, L2L3, L3L1 (C174 only)
P56	-	OFF, RN, SN, TN, TR, ST, RS (C176 only)
P57	-	OFF, RN, YN, BN, BR, YB, RY (C176 only)
P58	-	OFF, L1-N, L2-N, L3-N, L3L1, L2L3, L1L2 (C176 only)
P61	-	O, R, S, T (C178 only)
P62	-	O, 1, 2, 3 (C178 only)
P63	-	O, R, Y, B (C178 only)
P64	-	O, L1, L2, L3 (C178 only)
Example	C178	P64

Specification

Reference Standard:

- Compliant with VDE 0660

Operating Voltage:

- 600V maximum

Test Voltage:

- 2.5kV rms 50Hz for 1 minute

Frequency:

- 50/60Hz

Contact Material:

- Silver / Silver alloy with sliding contacts

Contact Rating:

- 16 Amps

Contact Life:

- 1,000,000 operations

Operating Temperature:

- -20°C to 60°C

Enclosure:

- Flame retardant black and blue ABS
- Panel mounting with 4 screws

Enclosure Code:

- Front facia IP20, terminals IP00

Legend Plate:

- Silver with black legend

Terminals:

- M4 screw clamp terminals

Cable Size:

- 4mm² maximum

Weight:

- 150g

Markings:

- CE marked

Specification subject to change without notice.