

Changeover switches

Indicators and transducers



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Function

Voltmeter and ammeter switches ensure the phase changeover switching on a three-phase circuit for voltage and current measurement.
They are available in two cases:

- with screw fixing
- with a central fixing.

Characteristics

- Rated current: 16 A.
- Connection via M 3.5 crews.
- IP44 (screw fixing).
- IP65 (central fixing).
- Insulation voltage: 660 V.

Composition of the range

- Voltmeter switch:
  - 4 positions for reading between phases,
  - 4 positions for reading between phase and neutral,
  - 7 positions for reading between phases and phase and neutral.
- Ammeter switch - 4 positions: 0 - L1 - L2 - L3 with ammeter and 3 CTs (with or without common point).

References

Voltmeter switch

		Screw fixing	Central fixing
Number of positions	**Type**	**Reference**	**Reference**
4 (phase-to-phase measurement)	SV4 PL/L	192K **0011**	192K **1011**
4 (phase-to-neutral measurement)	SV4 PL/N	192K **0012**	192K **1012**
7 (phase-to-phase and phase-to-neutral measurement)	SV7 PL/LN	192K **0013**	192K **1013**

Ammeter switch

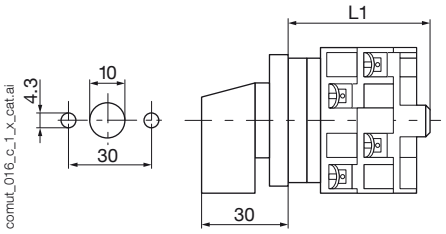
		Screw fixing	Central fixing
Number of positions	**Type**	**Reference**	**Reference**
4 with common point	SA4 PAP	192K **0022**	192K **1022**
4 without common point	SA4 PSP	192K **0023**	192K **1023**

Modular changeover switch

					MAC
Number of positions	**Measurement**	**Connection**	**Admissible voltages between phase and neutral**	**Number of modules**	**Reference**
4	ammeter	TC 1 A ou TC 5 A		3	192K **5000**
4	voltmeter PH - PH	115 / 230 / 440 VAC		3	192K **5001**
7	voltmeter PH - N + PH - PH	115 / 230 / 440 VAC	115 / 230 / 440 VAC	3	192K **5002**

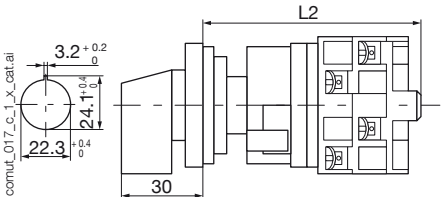
Dimensions

Screw fixing



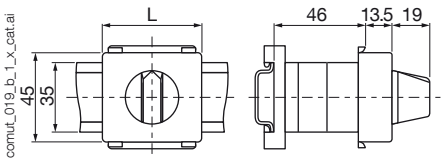
Number of positions	Switching type	L1 (mm)
4	voltmètre	44
7	voltmètre	56
4 with common point	ampèremètre	56
4 without common point	ampèremètre	79

Central fixing



Number of positions	Switching type	L2 (mm)
4	voltmètre	66
7	voltmètre	79
4 with common point	ampèremètre	77
4 without common point	ampèremètre	101

Com Changeover switch mutateur

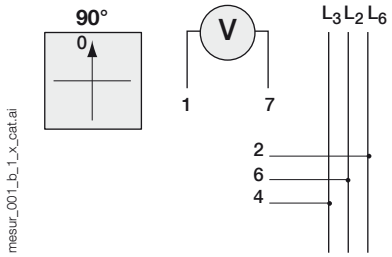


Number of positions	Degree of protection		L (mm)	Mounting
	Front	Terminal		
3	IP44	IP20	52,5	rail DIN 35 mm

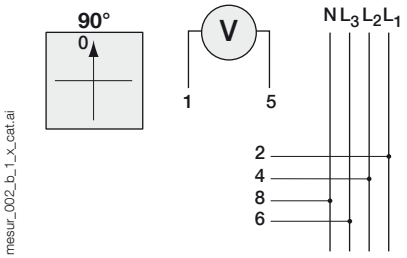
Connections

Voltmeter switch

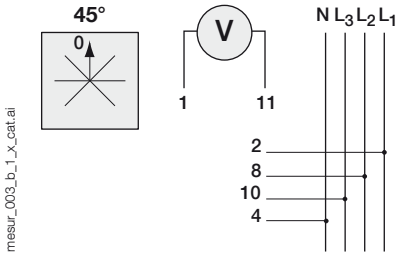
4 positions: phase-to-phase measurement (SV4 PL/L)



4 positions: phase-to-neutral measurement (SV4 PL/N)

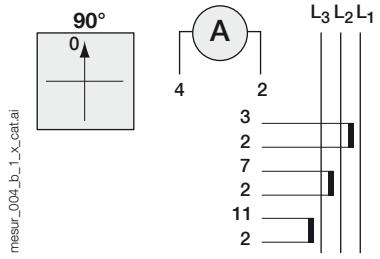


7 positions: phase-to-phase and phase-to-neutral measurement (SV7 PL/LN)

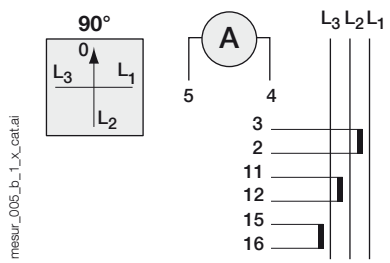


Ammeter switch

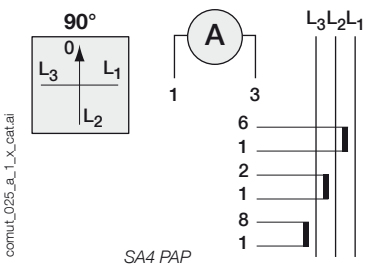
4 positions with common point (SA4 PAP)



4 positions without common point (SA4 PSP)

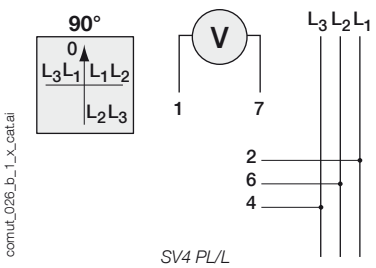


Ammeter switch
4 positions with common point



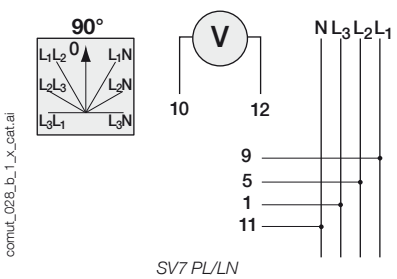
SA4 PAP

Voltmeter switch - 4 positions: measure phase-phase



SV4 PL/L

Voltmeter switch - 7 positions: phase-to-phase and phase-neutral measurement



SV7 PL/LN