

WOUND PRIMARY CURRENT TRANSFORMERS

HIGH PERFORMANCE P80SB SERIES



- **Primary current from 0 to 150A**
- **Insulation 0.75/4 kV**
- **Measurement and protection**
- **High performance characteristics**

Moulded case current transformer for the measurement of AC currents up to 150 A.

This current transformer has been designed to meet the most demanding requirements, especially for protection relays.

Technical data

Highest voltage for equipment	750 V
Power-frequency withstand voltage	4000 V
Primary current I _{pn}	0 to 150 A
Secondary current I _{sn}	5 or 1 A
Frequency	50 or 60 Hz
Rated output	1 to 60 VA
Accuracy class	0.5 - 1 - 3
Security factor	< 5
Continuous thermal current	1.2 I _{pn}
Short-time thermal current I _{th}	80 I _{pn} .1s
Dynamic current I _{dyn}	2.5 I _{th}
Insulation class	E
Ambient temperature	-25 °C to +40 °C
Case	Thermoplastic UL94 V0
Standards	CEI 44-1 - NF C42502 - VDE 0414 - BS 7626

Other characteristics on request

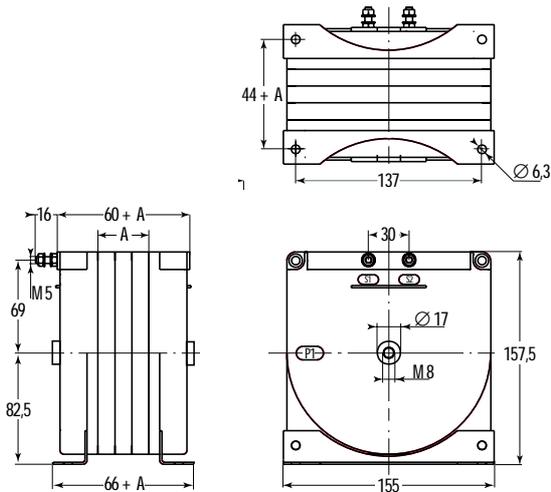
Highest voltage for equipment	Up to 2400 V
Power-frequency withstand voltage	Up to 11 kV
Secondary current I _{sn}	0.005 to 10 A
Frequency	1 to 10000 Hz
Accuracy class	0.1 - 0.2 - 0.2S - 0.5S - 5P - 10P - cIX
Accuracy limit factor	5 - 10 - 15 - 20 - 30
Multi-ratio	
Multiple cores	
Ambient temperature	-40 °C to +70 °C
Standards	ANSI C57.13 - CAN3 C13 - AS 1675

Accessories / Options

Mounting brackets	EA or EN types
Strengthened mounting brackets	EB type
Sealable terminal cover	
Tropicalization	
SAVI package	Full set of primary nuts and bolts for 50 wound primary transformers

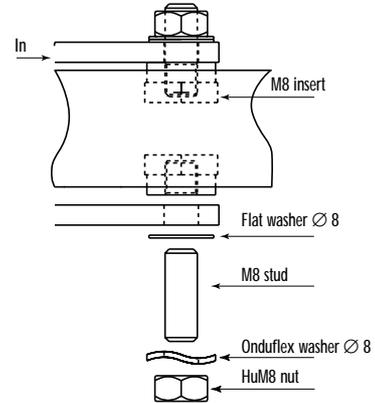
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P80SB with EA type brackets

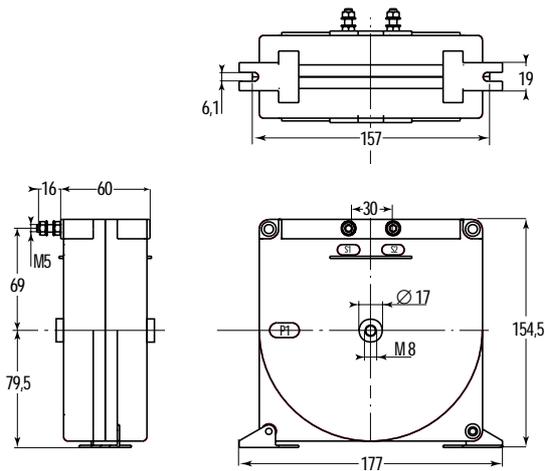


Installation

- Dimension A = 0 as standard and may be increased according to specifications
- The useful depth of the M8 thread is 7 mm for all wound primary current transformers. It is recommended that a brass stud is used to link the bar or the cable lug with the transformer primary. The stud must be screwed in by hand to the full depth of the M8 insert.
- Primary tightening torque = 25Nm on bars - 15 Nm on cable lugs



P80SB with EN type brackets



P80SB with EB type brackets

