

CABLE PRIMARY CURRENT TRANSFORMERS HIGH PERFORMANCE P80S SERIES



P80S40

- Primary current from 40 to 3000 A
- Inner diameter from 25mm to 60mm
- High performance characteristics
- Variable geometry
- Measurement and protection

Moulded case current transformers for the measurement of AC currents up to 3000A, with inner diameters from 25mm up to 60mm.

They are made of a non-flammable plastic material and have heavy insulation. They are equipped as standard with EA mounting brackets.

This range has been designed to meet the demanding requirements of protection relays.

Technical data

| | |
|--|----------------------------|
| Highest voltage for equipment | 0.72 kV |
| Power-frequency withstand voltage | 3 kV |
| Primary current I _{pn} | 40 to 3000 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 to 30 |
| 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 | IEC - IEEE - CSA - AS - BS |

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 |

Accessories / Options

| | |
|--------------------------------|---------|
| Mounting brackets | EN type |
| Strengthened mounting brackets | EB type |
| Sealable terminal cover (IP20) | |
| Tropicalization | |

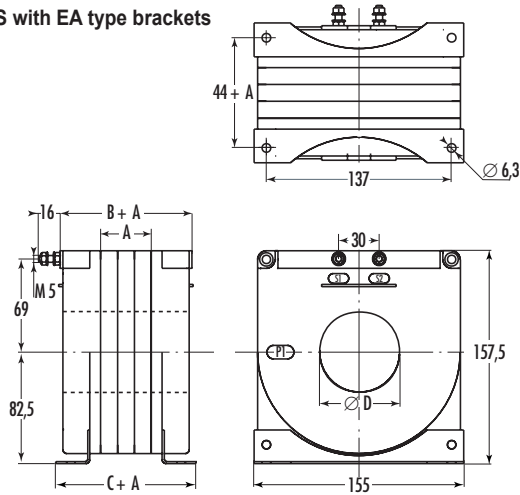
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Dimensions

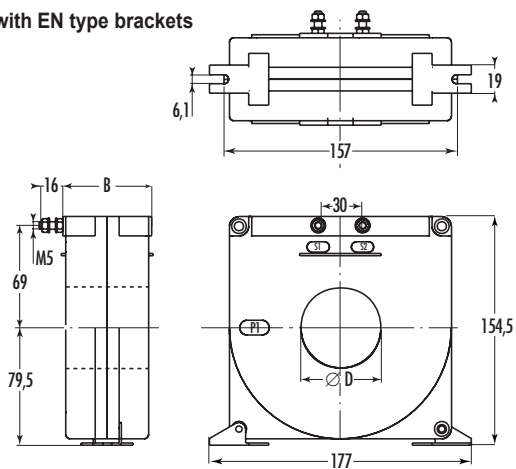
| Type | A mm | B mm | C mm | D mm |
|--------|---------|---------|---------|---------|
| P80S25 | - | 60 | 66 | Ø 25 |
| P80S40 | - | 60 | 66 | Ø 39 |
| P80S50 | - | 60 | 66 | Ø 50 |
| P80S60 | - | 60 | 66 | Ø 60 |

Dimension A=0 as standard size. May vary according to required characteristics

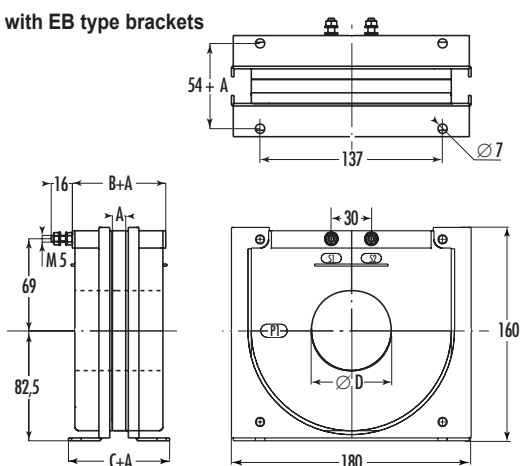
P80S with EA type brackets



P80S with EN type brackets



P80S with EB type brackets



• Tightening torque for M5 secondary terminals: 2.5 Nm