



Main

Current transformer type	A type closed toroid
Range of product	Vigilohm Vigirex
Device short name	IA80
Current transformer ratio	1/1000
[Icw] rated short-time withstand current	100 kA / 0.5 s
Residual short-circuit withstand current	85 kA / 0.5 s
[In] rated current	160 A
Width	150 mm
Height	122 mm
Depth	44 mm
Diameter	Inner: 80 mm
Product weight	0.42 kg
[Uimp] rated impulse withstand voltage	12 kV
Overvoltage category	IV
Tightening torque	0.5 N.m cable connector

Complementary

Mounting support	Cables Plain mounting plate Profiled mounting plate Slotted mounting plate Symmetrical DIN rail
Cable outer diameter	80 mm - cable 95 mm ² per phase
Auxiliary connection terminal	Cable connector 0.2...2.5 mm ² (AWG: 24...14) for flexible without cable end Cable connector 0.2...1.5 mm ² (AWG: 24...14) for flexible with cable end Cable connector 0.2...2.5 mm ² (AWG: 24...14) for rigid
Cable length	≤ 100 m 1.5 mm ² ≤ 18 m 0.22 mm ² ≤ 60 m 0.75 mm ² ≤ 80 m 1 mm ²
Wire stripping length	6 mm

Environment

Standards	IEC 60068-2-30 IEC 60068-2-52 IEC 60068-2-56
IP degree of protection	IP20 connectors IP30
Climatic withstand	Exposure to damp heat in service (25...55 °C, RH 95 %) : 28 cycles conforming to IEC 60068-2-30 Exposure to damp heat in service (environment category C2) : 48 hours conforming to IEC 60068-2-56 Heat loss : 3.19 MJ Pollution degree : 3 Salt mist : Kb/2 conforming to IEC 60068-2-52
Ambient air temperature for operation	-35...70 °C
Ambient air temperature for storage	-55...85 °C

RoHS EUR conformity date	0902
RoHS EUR status	Will not be compliant
