



Main

Range	Vigirex
Device short name	IA80
Product or component type	Earth leakage current sensor
Device application	Equipment monitoring and control
Range compatibility	Vigirex RH plug-in relay
[Ie] rated operational current	160 A

Complementary

Current transformer type	A type closed toroid
Network type	AC DC
Network frequency	45...440 Hz
[Ui] rated insulation voltage	1000 V
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 conforming to IEC 60947-2
Overvoltage category	IV
[Uimp] rated impulse withstand voltage	12 kV
Mounting mode	Fixed cables Fixed plain backplate Fixed profiled sheet metal Fixed slotted backplate Clip-on DIN rail
Calorific value	3.19 MJ
Connections - terminals	Screw connection : $\geq 0.22 \text{ mm}^2$
Diameter	80 mm (inner)
Cable outer diameter	40 mm : 95 mm ² (maximum)
Product weight	0.42 kg
Height	122 mm
Width	150 mm
Depth	44 mm

Environment

IP degree of protection	IP30 Connectors : IP20
environmental characteristic	Exposure to damp heat not in service conforming to IEC 60068-2-30 : 28 cycles 25...55 °C, RH 95 % Salt mist conforming to IEC 60068-2-52 : Kb/2 Exposure to damp heat in service conforming to IEC 60068-2-56 : 48 hours : category C2
pollution degree	Level 3 conforming to IEC 60664-1
ambient air temperature for operation	-35...70 °C
ambient air temperature for storage	-55...85 °C