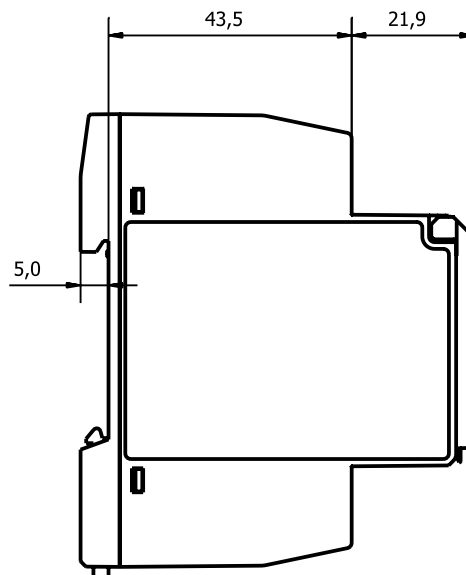
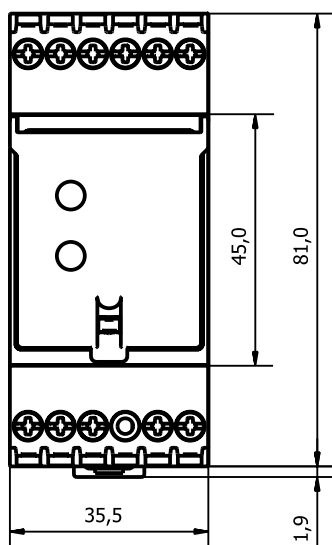


Features

General

Material	PA66 or Noryl
Colour	RAL7035 (light grey)
Front cover material	Transparent polycarbonate
Sealing / locking	Sealing slot
Mechanical form type	According to DIN 43880
Assembly	DIN rail mounting (according to EN 50022)
Protection degree	IP20
Weight	150 g
Terminals	Screw terminals. AWG30 to AWG12 (0.06 mm ² to 3.3 mm ²) stranded or solid
Tightening torque	0.4Nm to 0.8Nm (from 4lb-in to 7lb-in)



Power supply

Voltage	24 to 240 Vac \pm 10%
Frequency	50 to 60 Hz \pm 10%
Consumption	< 2.5 VA
Typology	Auxiliary power supply
Overvoltage category	III

Environmental


Working temperature	-25° C to 60° C (-13° F to 140° F)
Storage temperature	-40° C to 80° C (-40° F to 176° F)
Relative humidity	5-95% non condensing
Pollution degree	2
Operating max altitude	2000 m amsl (6560ft)
Salinity	No saline environment
UV resistance	No UV exposure

Vibration/Shock resistance

Test condition	Test	Level
Tests with the device outside the box	Vibration response (IEC60255-21-1)	Class 1
	Vibration endurance (IEC 60255-21-1)	Class 1
	Shock (IEC 60255-21-2)	Class 1
	Bump (IEC 60255-21-2)	Class 1
Tests with the device inside the box	Vibration random (IEC60068-2-64)	Class 1
	Shock (IEC 60255-21-2)	Class 1
	Bump (IEC 60255-21-2)	Class 1

Class 1: normal use in industrial plants, normal transportation condition

Compatibility and conformity

CE-marking	Cover the European LV directive 2014/35/EU and EMC directive 2014/30/EU, auto-certification EN 60947-2 Annex M, EN 62020
Approvals	 UL508, CSA Standard C22.2 No. 14-10 – Industrial control equipment, RoHS Directive
Other standards	IEC TR 6075

Inputs

Current measuring input

Typology	Residual current measuring from Core Balance Transformer (CBT)
Type	A
CBT type	Only Carlo Gavazzi CTG family types can be used. Select model according to mains cable diameter
Measuring ranges (IΔn)	DEB71DM24A5: 30mA, 100mA, 300mA, 500mA, 1A, 2A, 5A DEB71DM24A30: 300mA, 500mA, 1A, 2A, 5A, 10A, 30A
Warning threshold	60% I Δ n
Alarm threshold	80% I Δ n
Overload ranges	Same as measuring ranges I Δ n
Resolution (% of the selected IΔn)	2%
Accuracy (% of the selected IΔn)	10%
Repeatability (% of the selected IΔn)	2%
Alarm delay setting Δt	0, 0.1s, 0.3s, 0.5s, 1s, 3s, 5s On DEB71DM24A5 when 30mA I Δ n is selected, the time is forced to 0 in order to comply with EN 60947-2