



FEATURES

- Earth Leakage Relays are residual current monitors, intended to detect potentially dangerous ground fault currents before they cause any hazard, helping on protecting personnel, electric panels and general electrical-electronic machinery
- To identify an eventual AC current flowing to the grounding system, **RFT** line must be connected to current sensors of the **ST** or **STA** families. This set allows the detection of very low leakage currents with extreme reliability
- The **RFT-61-10** models are compact units designed to DIN rail fastening. DIP-Switches and potentiometers are included, allowing configuration of tripping currents - down to 10mAac - tripping delay time and manual or automatic reset execution

APPLICATIONS

- Personnel protection against electrical shocks
- Protection of sensitive electronic equipments
- Protection for classified areas (hazardous locations and the risk of fire and explosions associated with them)

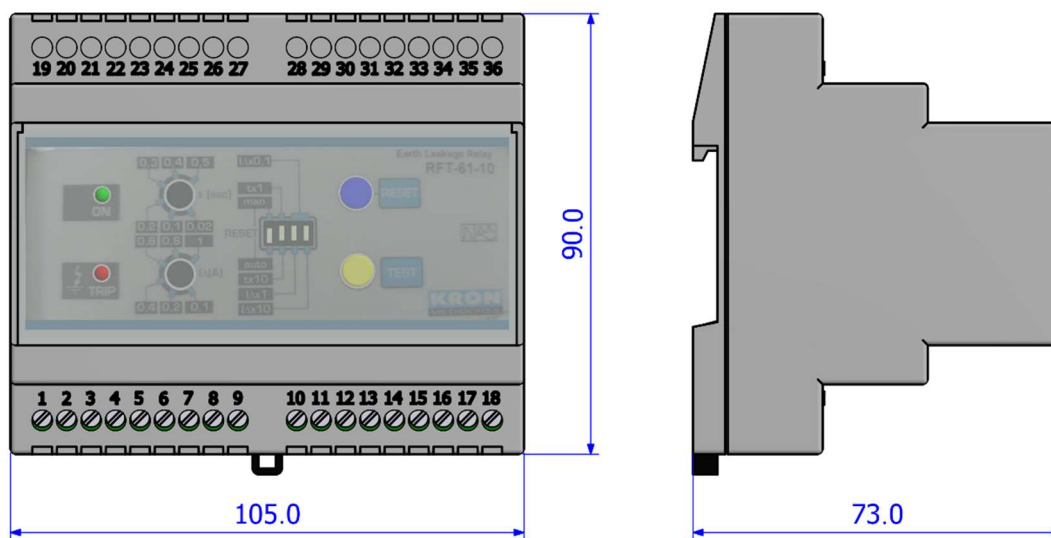
PRODUCT INFO

TRIPPING SET-POINT (CURRENT INFO)	<i>Tripping current</i> (10mA** ~ 100Aac)	10m...100mAac (dip-switch set as IΔ = 0,1) 100m...1Aac (dip-switch set as IΔ = 1) 1...10Aac (dip-switch set as IΔ = 10) 10...100Aac (with external multiplier CT)
TOROIDAL SENSORS*	<i>Circuit's maximum current</i>	1000Aac
	<i>Solid Core</i>	ST-2/28, ST-2/29, ST1/35, ST1/60, ST1/80, ST1/110, ST1/160, ST1/210, ST1/300, ST1/280R and ST1/350R
TRIPPING DELAY TIME	<i>Split Core</i>	STA1/110, STA1/160, STA1/210 and STA1/300
	<i>Tripping time (0,02 ~ 5s)</i>	0.02...0.5s (dip-switch set as tx = 1) 0.2...5s (dip-switch set as tx= 10)
OUTPUT	<i>Relay Output</i>	2 outputs (trip), with 3 terminais (5A / 240Vac)
POWER SUPPLY	<i>Voltage</i>	110Vac/Vdc - 240Vac - 415Vac 24 Vac/Vdc - 48Vac/Vdc
	<i>Internal Consumption</i>	< 4VA
SAFETY	<i>Insulation Test</i>	2.5kV for 60 seconds
INSTALLING	<i>Type</i>	Panel's background
	<i>Fastening</i>	35 mm DIN rail
	<i>Maximum Cable to be Used</i>	2.5mm ²
CASE	<i>Material</i>	Thermoplastic
	<i>Protection Degree</i>	Case: IP-20 Front Panel: IP-40 with acrylic protection
ENVIRONMENTAL CONDITIONS	<i>Operation/Storage Temperature</i>	-10 to 60°C (14 to 140°F) -20 to 80°C (-4 to 176°F)
	<i>Relative Air Humidity</i>	Maximum of 90% (without condensation)
STANDARDS	<i>Electrical Parameters</i>	IEC/EN 61010 IEC/EN 61000-6-2 IEC/EN 61000-6-3
		IEC/TR 60755 CEI EN 60947-2 ANNEX M

*For further information about the toroidal sensors, please check theirs technical datasheets.

**To detect leakage currents of 10mAac, the ST-2/29 current sensors must be used.

DIMENSIONS



Dimensions in millimeters

How to Specify:



Power Supply

- 1: 110Vac / Vdc – 240Vac – 415Vac
- 2: 24Vac/Vdc – 48 Vac/Vdc *

* Ordering upon consultation, please contact technical support

Standard Model (Example):

RFT611 1 0 0 0 0 0

RFT-61-10 {Power Supply 110Vac/Vdc – 240Vac – 415Vac}

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For correct utilization of the product, the User Manual must be consulted before its installation or operation.
Some items presented here may be optional, being necessary the correct product specification by their code.

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