

## LRE01

EasyPact TVS differential thermal overload relay  
0.1...0.16 A - class 10A



### Main

Range	EasyPact
Product name	EasyPact TVS
Product or component type	Differential thermal overload relay
Device short name	LRE
Relay application	Motor protection
Phase failure sensitivity	Tripping current 130 % of I <sub>r</sub> on two phase, the last one at 0 conforming to IEC 60947-4-1
Colour	Grey RAL 7011

### Complementary

Product compatibility	LC1E06...38
Network type	AC
Network frequency	50...60 Hz
Mounting support	Under contactor Plate (with specific accessories) Rail (with specific accessories)
Thermal overload class	Class 10A conforming to IEC 60947-4-1
Signalling function	Relay trip indicator
Thermal protection adjustment range	0.1...0.16 A
Tripping threshold	1.14 +/- 0.06 I <sub>r</sub> conforming to IEC 60947-4-1
Mechanical robustness	Shocks : 6 Gn for 11 ms conforming to IEC 60068-2-7 Vibrations : 3 Gn conforming to IEC 60068-2-6
Auxiliary contact composition	1 NO + 1 NC
[I <sub>th</sub> ] conventional free air thermal current	Signalling circuit : 5 A
[U <sub>e</sub> ] rated operational voltage	<= 690 V AC
Associated fuse rating	Power circuit : 2 A (gG) Power circuit : 0.25 A (aM) Signalling circuit : 5 A (gG)
[U <sub>i</sub> ] rated insulation voltage	690 V conforming to IEC 60947-4-1
[U <sub>imp</sub> ] rated impulse withstand voltage	6 kV
Local signalling	Trip indicator
Control type	Stop : red push-button Reset : green push-button
Temperature compensation	-20...60 °C
Connections - terminals	Screw clamp terminals (power circuit): 1 flexible cable(s) without cable end of 1.5...6 mm <sup>2</sup> Screw clamp terminals (power circuit): 1 flexible cable(s) with cable end of 1...4 mm <sup>2</sup> Screw clamp terminals (power circuit): 1 solid cable(s) without cable end of 1...6 mm <sup>2</sup> Screw clamp terminals (signalling circuit): 2 flexible cable(s) without cable end of 1...2.5 mm <sup>2</sup> Screw clamp terminals (signalling circuit): 2 flexible cable(s) with cable end of 1...2.5 mm <sup>2</sup> Screw clamp terminals (signalling circuit): 2 solid cable(s) without cable end of 1...2.5 mm <sup>2</sup>
Tightening torque	Power circuit (screw clamp terminals): 1.7 N.m Signalling circuit (screw clamp terminals): 1.7 N.m
Height	44.5 mm
Width	45 mm
Depth	70 mm

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Product weight	0.13 kg
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## Environment

standards	IEC 60947-4-1 IEC 60947-5-1
product certifications	GOST
protective treatment	TH conforming to IEC 60068
IP degree of protection	IP20 conforming to IEC 60529
ambient air temperature for operation	-20...70 °C with derating -20...60 °C without derating conforming to IEC 60947-4-1
ambient air temperature for storage	-60...80 °C
fire resistance	850 °C conforming to IEC 60068-2-1
dielectric strength	6 kV at 50 Hz conforming to IEC 60255-5
electromagnetic compatibility	Surge withstand : 6 kV conforming to IEC 60801-5

## Offer Sustainability

Sustainable offer status	Green Premium product
RoHS (date code: YYWW)	Compliant - since 1110 - Schneider Electric declaration of conformity
REACH	Reference not containing SVHC above the threshold
Product environmental profile	Available
Product end of life instructions	Need no specific recycling operations

## Contractual warranty

Warranty period	18 months
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