

LRE10

EasyPact TVS differential thermal overload relay 4...6 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_r on two phase, the last one at 0 conforming to IEC 60947-4-1

Complementary

Product compatibility	LC1E06...38
Network type	AC
Network frequency	50...60 Hz
Mounting support	Rail (with specific accessories) Plate (with specific accessories) Under contactor
Overload tripping class	Class 10A conforming to IEC 60947-4-1
Signalling function	Relay trip indicator
Thermal protection adjustment range	4...6 A
Tripping threshold	1.14 +/- 0.06 I_r conforming to IEC 60947-4-1
Mechanical robustness	Vibrations: 3 Gn conforming to IEC 60068-2-6 Shocks: 6 Gn for 11 ms conforming to IEC 60068-2-7
Auxiliary contact composition	1 NO + 1 NC
[I _{th}] conventional free air thermal current	Control circuit : 5 A
[U _e] rated operational voltage	<= 690 V AC
Associated fuse rating	Power circuit : 8 A (aM) Power circuit : 16 A (gG) Control circuit : 5 A (gG)
[U _i] rated insulation voltage	690 V conforming to IEC 60947-4-1
[U _{imp}] rated impulse withstand voltage	6 kV
Control type	Reset: green push-button Stop: red push-button
Temperature compensation	-20...60 °C
Connections - terminals	Screw clamp terminals (control circuit): 2 solid cable(s) without cable end of 1...2.5 mm ² Screw clamp terminals (control circuit): 2 flexible cable(s) with cable end of 1...2.5 mm ² Screw clamp terminals (control circuit): 2 flexible cable(s) without cable end of 1...2.5 mm ² Screw clamp terminals (power circuit): 1 solid cable(s) without cable end of 1...6 mm ² Screw clamp terminals (power circuit): 1 flexible cable(s) with cable end of 1...4 mm ² Screw clamp terminals (power circuit): 1 flexible cable(s) without cable end of 1.5...6 mm ²
Tightening torque	Control circuit (screw clamp terminals): 1.7 N.m Power circuit (screw clamp terminals): 1.7 N.m
Height	44.5 mm
Width	45 mm
Depth	70 mm
Product weight	0.13 kg

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	Not Green Premium product
RoHS (date code: YYWW)	Compliant - since 1110 - Schneider Electric declaration of conformity
REACH	Reference not containing SVHC above the threshold