



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	LC1E80...95
Network type	AC
Network frequency	50...60 Hz
Mounting support	Plate (with specific accessories) Rail (with specific accessories) Under contactor
Thermal overload class	Class 10A conforming to IEC 60947-4-1
Signalling function	Relay trip indicator
Thermal protection adjustment range	63...80 A
Tripping threshold	1.14 +/- 0.06 I _r 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 _{th}] conventional free air thermal current	Signalling circuit : 5 A
[U _e] rated operational voltage	<= 690 V AC
Associated fuse rating	Power circuit : 125 A (gG) Power circuit : 80 A (aM) Signalling 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
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 4...35 mm ² Screw clamp terminals (power circuit): 1 flexible cable(s) with cable end of 4...35 mm ² Screw clamp terminals (power circuit): 1 solid cable(s) without cable end of 4...35 mm ² Screw clamp terminals (signalling circuit): 2 flexible cable(s) without cable end of 1...2.5 mm ² Screw clamp terminals (signalling circuit): 2 flexible cable(s) with cable end of 1...2.5 mm ² Screw clamp terminals (signalling circuit): 2 solid cable(s) without cable end of 1...2.5 mm ²
Tightening torque	Power circuit (screw clamp terminals): 9 N.m Signalling circuit (screw clamp terminals): 1.7 N.m
Height	54 mm
Width	70 mm
Depth	113 mm
Product weight	0.48 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

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

Contractual warranty

Warranty period	18 months
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