



### 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	LC1E120...630
Network type	AC
Network frequency	50...60 Hz
Mounting support	Under contactor Plate
Thermal overload class	Class 10A conforming to IEC 60947-4-1
Signalling function	Relay trip indicator
Thermal protection adjustment range	62...99 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	5 A for signalling circuit
[ $U_e$ ] rated operational voltage	<= 690 V AC
Associated fuse rating	160 A gG for power circuit 125 A aM for power circuit 5 A gG for signalling circuit
[ $U_i$ ] 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	Push-button red stop: Push-button green reset:
Temperature compensation	-20...60 °C
Connection pitch	34.8 mm
Connections - terminals	Signalling circuit: screw clamp terminals 2 1...2.5 mm <sup>2</sup> - cable stiffness: flexible without cable end Signalling circuit: screw clamp terminals 2 1...2.5 mm <sup>2</sup> - cable stiffness: flexible with cable end Signalling circuit: screw clamp terminals 2 1...2.5 mm <sup>2</sup> - cable stiffness: solid without cable end Power circuit: bars - busbar cross section: 3 x 18 mm Power circuit: lugs
Recommended tightening torque	Power circuit: 27.5 N.m - on bars M8 Power circuit: 27.5 N.m - on lugs M8 Signalling circuit: 1.7 N.m - on screw clamp terminals
Height	141 mm
Width	180 mm

Depth	134 mm
Net weight	2.2 kg

## Environment

Standards	IEC 60947-5-1 IEC 60947-4-1
Product certifications	EAC
Protective treatment	TH conforming to IEC 60068
IP degree of protection	IP00 conforming to IEC 60529
Ambient air temperature for operation	-20...60 °C without derating conforming to IEC 60947-4-1 -20...70 °C with derating
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

## Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	16.0 cm
Package 1 Width	17.5 cm
Package 1 Length	27.5 cm
Package 1 Weight	3.005 kg
Unit Type of Package 2	S03
Number of Units in Package 2	2
Package 2 Height	30.0 cm
Package 2 Width	30.0 cm
Package 2 Length	40.0 cm
Package 2 Weight	6.446 kg
Unit Type of Package 3	P06
Number of Units in Package 3	8
Package 3 Height	77.0 cm
Package 3 Width	80.0 cm
Package 3 Length	60.0 cm
Package 3 Weight	27.48 kg

## Offer Sustainability

Sustainable offer status	Green Premium product
REACH Regulation	<a href="#">REACH Declaration</a>
REACH free of SVHC	Yes
EU RoHS Directive	Compliant <a href="#">EU RoHS Declaration</a>
Toxic heavy metal free	Yes
Mercury free	Yes
RoHS exemption information	<a href="#">Yes</a>
China RoHS Regulation	<a href="#">China RoHS Declaration</a>
Environmental Disclosure	<a href="#">Product Environmental Profile</a>
Circularity Profile	<a href="#">End Of Life Information</a>
WEEE	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins

## Contractual warranty

Warranty	18 months
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