



Main

Range	TeSys
Product name	TeSys LRD
Product or component type	Differential thermal overload relay
Device short name	LRD
Relay application	Motor protection
Product compatibility	LC1D80 LC1D95
Network type	DC AC
Thermal protection adjustment range	30...40 A
[Ui] rated insulation voltage	Power circuit: 1000 V conforming to IEC 60947-4-1 Power circuit: 600 V conforming to CSA Power circuit: 600 V conforming to UL

Complementary

Network frequency	0...400 Hz
Mounting support	Plate, with specific accessories Rail, with specific accessories Under contactor
Tripping threshold	1.14 +/- 0.06 I _r conforming to IEC 60947-4-1
[I _{th}] conventional free air thermal current	5 A for signalling circuit
Permissible current	0.72 A at 500 V AC-15 for signalling circuit 0.06 A at 440 V DC-13 for signalling circuit
[U _e] rated operational voltage	690 V AC 0...400 Hz
[U _{imp}] rated impulse withstand voltage	6 KV
Phase failure sensitivity	Tripping current 130 % of I _r on two phase, the last one at 0
Control type	Red push-button: stop Blue push-button: reset
Temperature compensation	-20...60 °C
Connections - terminals	Power circuit: screw clamp terminals 1 cable(s) 4...35 mm ² flexible without cable end Power circuit: screw clamp terminals 1 cable(s) 4...35 mm ² flexible with cable end Power circuit: screw clamp terminals 1 cable(s) 4...35 mm ² solid without cable end Control circuit: screw clamp terminals 2 cable(s) 1...2.5 mm ² flexible without cable end Control circuit: screw clamp terminals 2 cable(s) 1...2.5 mm ² flexible with cable end Control circuit: screw clamp terminals 2 cable(s) 1...2.5 mm ² solid without cable end
Tightening torque	Control circuit: 1.7 N.m - on screw clamp terminals Power circuit: 9 N.m - on screw clamp terminals
Height	123 Mm

Width	75 Mm
Depth	121 Mm
Net weight	0.51 Kg

Environment

Protective treatment	TH conforming to IEC 60068
IP degree of protection	IP20 conforming to IEC 60529
Ambient air temperature for operation	-20...60 °C without derating conforming to IEC 60947-4-1
Ambient air temperature for storage	-60...70 °C
Flame retardance	V1 conforming to UL 94
Mechanical robustness	Vibrations: 6 Gn conforming to IEC 60068-2-6 Shocks: 15 Gn for 11 ms conforming to IEC 60068-2-7
Dielectric strength	6 KV at 50 Hz conforming to IEC 60255-5
Standards	EN 60947-5-1 EN 60947-4-1 ATEX D 94/9/CE UL 508 IEC 60947-5-1 IEC 60947-4-1 CSA C22.2 No 14
Product certifications	DNV GOST GL RINA LROS (Lloyds register of shipping) UL CSA BV CCC ATEX INERIS

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Weight	498 G
Package 1 Height	7.8 Cm
Package 1 width	8.6 Cm
Package 1 Length	12 Cm
Unit Type of Package 2	S02
Number of Units in Package 2	12
Package 2 Weight	6.315 Kg
Package 2 Height	15 Cm
Package 2 width	30 Cm
Package 2 Length	40 Cm
Unit Type of Package 3	P06
Number of Units in Package 3	192
Package 3 Weight	111.396 Kg
Package 3 Height	80 Cm
Package 3 width	80 Cm
Package 3 Length	60 Cm

Offer Sustainability

Sustainable offer status	Green Premium product
REACH free of SVHC	Yes
EU RoHS Directive	Compliant EU RoHS Declaration
Toxic heavy metal free	Yes
Mercury free	Yes
RoHS exemption information	Yes
China RoHS Regulation	China RoHS Declaration

Environmental Disclosure

[Product Environmental Profile](#)

Circularity Profile

[End Of Life Information](#)

Contractual warranty

Warranty

18 months

Product Life Status : **Commercialised**

LRD3355 may be replaced by any of the following products:



LRD340

Qty 1

Reason for Substitution: End of life | Substitution date: 02 Jan 2001 | (Não é intercabiavel no Contator antigo e vice-versa)



LRD340

Qty 1

Reason for Substitution: End of life | Substitution date: 09 Jan 2008 | Montage direct sur ancien contacteur incompatible



LRD340

Qty 1

Reason for Substitution: End of life | Substitution date: 09 Jan 2008 |