



### Main

Range of product	TeSys D TeSys D control relay
Range	TeSys
Device short name	LA1
Product or component type	Auxiliary contact block
Auxiliary contacts operation	Instantaneous
Pole contact composition	2 NC
Connections - terminals	Screw clamp terminals 1 cable 1...2.5 mm <sup>2</sup> - cable stiffness: flexible - with cable end Screw clamp terminals 1 cable 1...2.5 mm <sup>2</sup> - cable stiffness: flexible - without cable end Screw clamp terminals 1 cable 1...2.5 mm <sup>2</sup> - cable stiffness: solid - with cable end Screw clamp terminals 1 cable 1...2.5 mm <sup>2</sup> - cable stiffness: solid - without cable end Screw clamp terminals 2 cable 1...2.5 mm <sup>2</sup> - cable stiffness: flexible - with cable end Screw clamp terminals 2 cable 1...2.5 mm <sup>2</sup> - cable stiffness: flexible - without cable end Screw clamp terminals 2 cable 1...2.5 mm <sup>2</sup> - cable stiffness: solid - with cable end Screw clamp terminals 2 cable 1...2.5 mm <sup>2</sup> - cable stiffness: solid - without cable end

### Complementary

Mounting location	Side
[Ui] rated insulation voltage	690 V - conforming to IEC 60947-5-1 600 V - certifications CSA 600 V - certifications UL
[Ue] rated operational voltage	690 V AC 25...400 Hz
[Ith] conventional free air thermal current	10 A at ≤ 60 °C
Irms rated making capacity	140 A AC conforming to IEC 60947-5-1 250 A DC conforming to IEC 60947-5-1
Permissible short-time rating	100 A 1 s 120 A 500 ms 140 A 100 ms
Protection type	GG fuse ≤ 10 A rating according to operational current for Ue ≤ 690 V
Associated fuse rating	10 A gG IEC 60947-5-1
Mechanical durability	3 Mcycles
Minimum switching current	5 mA
Minimum switching voltage	17 V
Non-overlap time	1.5 ms on de-energisation (no overlap between NC and NO contact) 1.5 ms on energisation (no overlap between NC and NO contact)

Overlap time	1.5 ms
Insulation resistance	> 10 MOhm
Width	12.5 mm

## Environment

Environmental characteristic	Normal environment
Standards	NF C 63-140 BS 4794 EN 60947-5-1 VDE 0660 IEC 60947-5-1
Product certifications	CSA UL
IP degree of protection	IP2x conforming to VDE 0660
Protective treatment	TH conforming to IEC 60068
Ambient air temperature for operation	-5...60 °C
Ambient air temperature for storage	-60...80 °C
Operating altitude	3000 m without derating in temperature

## Contractual warranty

Warranty period	18 months
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