Product data sheet
Characteristics

LADN31R
Auxiliary contact block, TeSys Deca, 3NO +1NC, screw clamp terminals



Main

Range	TeSys TeSys Deca
Product name	TeSys Deca
Product or component type	Auxiliary contact block
Device short name	LADN_R
Range compatibility	TeSys D CAD TeSys D LC1D TeSys Deca CAD TeSys Deca LC1D TeSys F LC1F TeSys F CR1F
Mounting location	Front
Pole contact composition	3 NO + 1 NC
[Ue] rated operational voltage	690 V AC 25...400 Hz
[Ie] rated operational current	6 A at 120 V AC-15 1.04 A at 690 V AC-15 0.55 A at 125 V DC-13 0.1 A at 600 V DC-13
[Ui] rated insulation voltage	690 V conforming to IEC 60947-5-1 600 V conforming to UL 600 V conforming to CSA
[Ith] conventional free air thermal current	10 A (at 60 °C)
Standards	EN/IEC 60947-5-1 GB/T 14048.5 EN 50012 UL 60947-5-1 CSA C22.2 No 60947-5-1 IEC 60335-1:Clause 30.2 IEC 60335-2-40:Annex JJ UL 60335-2-40:Annex JJ
Product certifications	CB[RETURN]UL[RETURN]CSA[RETURN]CCC[RETURN]UKCA

Complementary

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 60 °C 1 s 120 A 60 °C 500 ms 140 A 60 °C 100 ms
Protection type	GG fuse 10 A
Mechanical durability	30 Mcycles
Electrical reliability	1e-008 at 17 V and 1 mA
Minimum switching current	1 MA
Minimum switching voltage	17 V

Non-overlap time	1.5 Ms on de-energisation between NC and NO contacts 1.5 Ms on energisation between NC and NO contacts
Insulation resistance	> 10 MOhm
Connections - terminals	Screw-clamp terminals 1 cable(s) 1…4 mm²flexible with cable end Screw-clamp terminals 1 cable(s) 1…4 mm²flexible without cable end Screw-clamp terminals 2 cable(s) 1…2.5 mm²flexible with cable end Screw-clamp terminals 2 cable(s) 1…4 mm²flexible without cable end Screw-clamp terminals 1 cable(s) 1…4 mm²rigid without cable end Screw-clamp terminals 2 cable(s) 1…4 mm²rigid without cable end
Tightening torque	1.7 N.M - with screwdriver flat Ø 6 mm 1.7 N.M - with screwdriver Philips No 2 1.7 N.M - with screwdriver pozidriv No 2
Height	48 Mm
Width	44 Mm
Depth	42 Mm
Net weight	0.06 Kg
Colour	Dark grey

Environment

Environmental characteristic	Normal environment Harsh environment 3S4
IP degree of protection	IP2X conforming to IEC 60529
Protective treatment	TH conforming to IEC 60068
Ambient air temperature for storage	-60…80 °C
Ambient air temperature for operation	-25…60 °C -40…-25 °C with derating 60…70 °C with derating
Operating altitude	3000 m

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	5.200 Cm
Package 1 Width	4.400 Cm
Package 1 Length	5.200 Cm
Package 1 Weight	65.000 G
Unit Type of Package 2	S02
Number of Units in Package 2	105
Package 2 Height	15.000 Cm
Package 2 Width	30.000 Cm
Package 2 Length	40.000 Cm
Package 2 Weight	7.200 Kg

Offer Sustainability

Recyclability potential, in %	39
Total lifecycle Carbon footprint	5 kg CO2 eq.
Carbon footprint of the manufacturing phase [A1 to A3]	0.41771858290220826
Carbon footprint of the manufacturing phase [A1 to A3]	0.4 kg CO2 eq.
Carbon footprint of the distribution phase [A4]	0.06786586045038151
Carbon footprint of the distribution phase [A4]	0.1 kg CO2 eq.
Carbon footprint of the installation phase [A5]	0.008480726561347006
Carbon footprint of the installation phase [A5]	0 kg CO2 eq.
Carbon footprint of the use phase [B2, B3, B4, B6]	4.7409
REACh free of SVHC	Yes
Carbon footprint of the use phase [B2, B3, B4, B6]	5 kg CO2 eq.
Mercury free	Yes
Sustainable packaging	Yes
Carbon footprint of the end-of-life phase [C1 to C4]	0.15462428493948835

Carbon footprint of the end-of-life phase [C1 to C4]	0.2 kg CO2 eq.
Environmental Disclosure	Product Environmental Profile
Total lifecycle Carbon footprint	5
Packaging made with recycled cardboard	Yes
Packaging without single use plastic	Yes
REACh Regulation	Free of Substances of Very High Concern above the threshold
EU RoHS Directive	Compliant
End of life manual availability	No need of specific recycling operations
Take-back	No
WEEE Label	The product must be disposed on European Union markets following specific waste collection a

Contractual warranty

Warranty (in months)	18

Product Life Status : Commercialised