

# Product datasheet

Specifications



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

LADN31R

⚠ Discontinued on: Feb 27, 2026

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## 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 UL CSA CCC 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

<b>Mechanical durability</b>	30 Mcycles
<b>Electrical reliability</b>	1e-008 at 17 V and 1 mA
<b>Minimum switching current</b>	1 mA
<b>Minimum switching voltage</b>	17 V
<b>Non-overlap time</b>	1.5 ms on de-energisation between NC and NO contacts 1.5 ms on energisation between NC and NO contacts
<b>Insulation resistance</b>	> 10 MOhm
<b>Connections - terminals</b>	Screw-clamp terminals 1 cable(s) 1...4 mm <sup>2</sup> flexible with cable end Screw-clamp terminals 1 cable(s) 1...4 mm <sup>2</sup> flexible without cable end Screw-clamp terminals 2 cable(s) 1...2.5 mm <sup>2</sup> flexible with cable end Screw-clamp terminals 2 cable(s) 1...4 mm <sup>2</sup> flexible without cable end Screw-clamp terminals 1 cable(s) 1...4 mm <sup>2</sup> rigid without cable end Screw-clamp terminals 2 cable(s) 1...4 mm <sup>2</sup> rigid without cable end
<b>Tightening torque</b>	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
<b>Height</b>	48 mm
<b>Width</b>	44 mm
<b>Depth</b>	42 mm
<b>Product weight</b>	0.06 kg
<b>Colour</b>	Dark grey

## Environment

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

## Packing Units

<b>Unit Type of Package 1</b>	PCE
<b>Number of Units in Package 1</b>	1
<b>Package 1 Height</b>	5.200 cm
<b>Package 1 Width</b>	4.400 cm
<b>Package 1 Length</b>	5.200 cm
<b>Package 1 Weight</b>	65.000 g
<b>Unit Type of Package 2</b>	S02
<b>Number of Units in Package 2</b>	105
<b>Package 2 Height</b>	15.000 cm
<b>Package 2 Width</b>	30.000 cm
<b>Package 2 Length</b>	40.000 cm
<b>Package 2 Weight</b>	7.200 kg

# Contractual warranty

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Warranty (in months)

18



## Environmental Data

Schneider Electric aims to achieve Net Zero status by 2050 through supply chain partnerships, lower impact materials, and circularity via our ongoing “Use Better, Use Longer, Use Again” campaign to extend product lifetimes and recyclability.

[Environmental Data explained >](#)

[How we assess product sustainability >](#)



### Environmental footprint

Total lifecycle Carbon footprint	5 kg CO2 eq.
Carbon footprint of the manufacturing phase [A1 to A3]	0.4 kg CO2 eq.
Carbon footprint of the distribution phase [A4]	0.1 kg CO2 eq.
Carbon footprint of the installation phase [A5]	0 kg CO2 eq.
Carbon footprint of the use phase [B2, B3, B4, B6]	5 kg CO2 eq.
Carbon footprint of the end-of-life phase [C1 to C4]	0.2 kg CO2 eq.
Environmental Disclosure	<a href="#">Product Environmental Profile</a>

### Use Better



### Materials and Substances

Packaging made with recycled cardboard	Yes
Packaging without single use plastic	Yes
EU RoHS Directive	<a href="#">Compliant</a>
REACH Regulation	<a href="#">Free of Substances of Very High Concern above the threshold</a>

### Use Longer




### Lifetime extension

Repair	No
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### Use Again



### Repack and remanufacture

Recyclability potential, in %	39
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 and never end up in rubbish bins