

Solid-state contactor - ELR 1- 24DC/600AC-20 - 2297138

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Single-phase solid-state contactor, input voltage: 24 V DC, output current: 20 A, zero voltage switch

Why buy this product

- ✓ High switching frequency
- ✓ Wear and bounce-free
- ✓ 24 V DC and 230 V AC input voltage versions



Key Commercial Data

Packing unit	1 STK
GTIN	 4 046356 132022
GTIN	4046356132022
Weight per Piece (excluding packing)	260.000 g
Custom tariff number	85362010
Country of origin	Malta

Technical data

Input data

Input name	Control input
Triggering voltage range	4 V DC ... 32 V DC
Rated actuating current I_C	approx. 12 mA
Switching threshold	≤ 1 V DC ("0" signal)
	≥ 4 V DC ("1" signal)
Transmission frequency	25 Hz
Operating voltage display	Green LED

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Output data load output

Operating voltage range	42 V AC ... 660 V AC (45/65 Hz)
Load current range	350 mA ... 20 A (see to derating)
Rated operating current at AC-51	20 A
Rated operating current at AC-53a	5 A
Leakage current	< 3 mA (In off state)
Residual voltage	< 1.6 V
Surge current	250 A (t = 10 ms)
Protective circuit	RCV circuit RCV circuit

Connection data, control circuit

Connection name	Control circuits
Connection method	Screw connection
Stripping length	8 mm
Screw thread	M4
Conductor cross section solid	0.5 mm ² ... 2.5 mm ²
Conductor cross section flexible	0.5 mm ² ... 2.5 mm ²
Conductor cross section AWG	20 ... 14

Connection data load circuit

Connection name	Load circuit
Connection method	Screw connection
Stripping length	8 mm
Screw thread	M4
Conductor cross section solid	0.5 mm ² ... 4 mm ²
Conductor cross section flexible	0.5 mm ² ... 4 mm ²
Conductor cross section AWG	20 ... 12

General

Test voltage input/output	4 kV _{rms}
Mounting position	Vertical (horizontal DIN rail)
Assembly instructions	Can be aligned with ≥ 22.5 mm spacing
Designation	Standards/regulations
Standards/regulations	EN 61000-4-2
	EN 61000-4-3
	EN 61000-4-4
	EN 61000-4-5
	EN 61000-4-6
	EN 55011

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Dimensions

Width	22.5 mm
Height	103 mm
Depth	103 mm

Ambient conditions

Ambient temperature (operation)	-30 °C ... 70 °C
Ambient temperature (storage/transport)	-40 °C ... 80 °C

Standards and Regulations

Connection in acc. with standard	CUL
Designation	Standards/regulations
Standards/regulations	EN 61000-4-2
	EN 61000-4-3
	EN 61000-4-4
	EN 61000-4-5
	EN 61000-4-6
	EN 55011

Environmental Product Compliance

China RoHS	Environmentally Friendly Use Period = 50
	For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration"

Approvals

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UL Recognized / cUL Recognized / EAC / EAC / cULus Recognized

Ex Approvals

Approval details

UL Recognized		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	FILE E 195083
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Approvals

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EAC



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