



Contact characteristics

Contact configuration	1 C/O		
Rated insulation voltage U_i IEC/EN	V		250
Rated impulse withstand voltage U_{imp}	kV		4
IEC Conventional free air thermal current $I_{th} \leq 40^\circ\text{C}$	A		6
Maximum instantaneous current	A		20 (500ms)
Rated current (I_n)	A		6
UL/CSA and IEC/EN 60947-5-1 designation	B300 – R300		
UL rating	6A 277VAC; 6A 30VDC		

Max contrrollable power in

AC-1	W	1500
AC-15	VA	360

Rated operating power AC-1

VA	1500
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Rated operating power AC-15

230 VAC	VA	360
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Single-phase motor control

230VAC	kW	0.186
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Rated operating current DC-1

30V	A	6
110V	A	0.2
220V	A	0.12

Minimum switching load

V / mA	5 / 100
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Contact impedance

mΩ	100
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Contact material

Ag/Ni

Operating times

Closing	ms	≤8
Opening	ms	≤4

Operations

Mechanical life	cycles	10000000
Electrical life AC1	cycles	30000

Coil characteristics

Relay control voltage	V	220... 240VAC/VDC
Relay control voltage + socket	V	220...240VAC/DC
Average coil consumption AC at 20°C	VA	0.2
Average coil consumption DC at 20°C	W	0.2

Operating range

Closing	% U_n	≥75
Opening	% U_n	≥5

Maximum cycle frequency

cycles/h	10000
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Mechanical features

Max socket terminal tightening torque	Nm	0.5
Socket screw tightening tool (cross / flat blade)	PH0 / 3.5mm	

Conductor section

AWG/Kcmil

min	20
max	16

IEC

min	mm ²	0.5
max	mm ²	1.5

Operating position

normal	Any
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Fixing

On 35mm DIN
rail

Ambient conditions

Temperature

Operating temperature

min	°C	-40
max	°C	+70

Storage temperature

min	°C	-40
max	°C	+80

Other features

Indication

Yes (on the
socket)

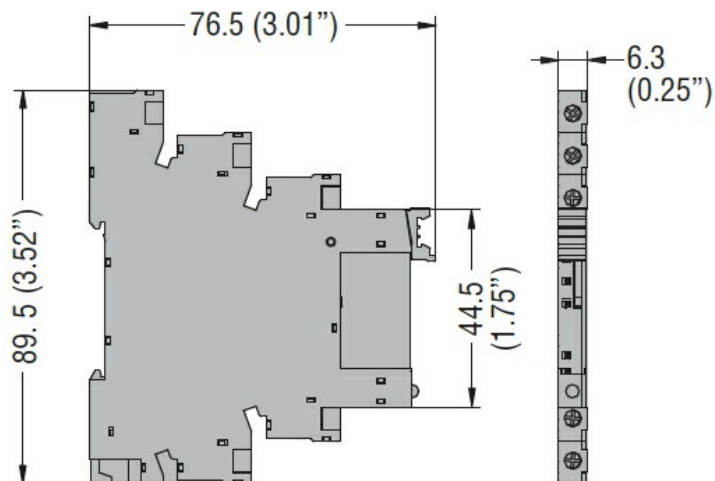
Mechanical contact position indicator

No

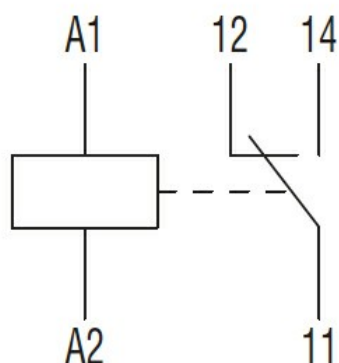
Mechanical test actuator

No

Dimensions



Wiring diagrams



Certifications and compliance

Compliance

IEC/EN 61810

Certificates

cURus

EAC

VDE

ETIM classification

ETIM 8.0

EC001437 -
Switching relay