



ERL218

Relay 16A, 1NO+1NC, 12V~50Hz

Technical properties

Architecture

Type of order	Relay
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Configuration

Number of modules	1
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Main electrical features

Rated operational voltage Ue	230 V
Frequency	50 Hz

Voltage

Rated insulation voltage	250 V
DC control voltage	0 V
Command voltage AC	12 V
Rated impulse withstand voltage	4 kV

Electric current

Rated current	16 A
Thermal rated current outside of housings	16 A
Acceptable current load with AC7 category A	16 A
Acceptable current load with AC7 category B	5.5 A

Dimensions

Depth of installed product	60 mm
Height of installed product	83 mm
Width of installed product	17.85 mm

Power

Inrush power absorbed	10.7 VA
Operating consumption	2.9 VA
Total power loss under IN	2 W
Power loss per contact	1 W
Power dissipation per coil	1 W
Contact rating with 230 V in AC7 category A	3 kW
Contact rating with 230 V in AC7 category B	880 W

Tripping

Time of response when opening	15 ms
Time of response when closing	25 ms

Endurance

Electric endurance in number of cycles	30000
Number of mechanical operations	100000

Fluorescent bulbs control

Max. power with fluorescent parallel lamps	490 VA
Fluorescent lamps in duo circuit	1200 VA
Max. load fluorescent lamp	570 VA

Incandescent bulbs control

Max. power with incandescent lamps	1100 W
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Installation, mounting

Tightening torque	1,2Nm
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Connection

Connection cross-sect. flexible conductor	1 / 6mm ²
Connection cross-sect. rigid cable	1 / 10mm ²
Type of contacts	1NC+1NO
Connection cross-section of the control cable solid	1 / 10 mm ²

Equipment

Quantity of NC contacts	1
Quantity of NO contacts	1
Can be accessorized	Yes

Use

Local operation/hand operation	Yes
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Safety

REACH conform	Yes
RoHS conform	Yes
Halogen free	No

Use conditions

Operating temperature	-10...50 °C
Storage/transport temperature	-40...80 °C