



ERL418SDC

Humfree Relay 16A, 2NO+2NC, 12VDC

Technical properties

Configuration

Number of modules	2
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Main electrical features

Rated operational voltage U_e	400 V
Frequency	50 Hz

Voltage

Rated insulation voltage	440 V
DC control voltage	12 V
Command voltage AC	0 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	35.75 mm

Power

Inrush power absorbed	2.8 VA
Operating consumption	2.8 VA
Total power loss under IN	4.8 W
Power loss per contact	1 W
Power dissipation per coil	2.8 W
Contact rating with 230 V in AC7 category A	3 kW
Contact rating with 230 V in AC7 category B	570 W
Contact rating with 400 V in AC7 category A	8.9 kW
Contact rating with 400 V in AC7 category B	1.7 kW

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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Connection

Connection cross-section of the control cable solid	1 / 10 mm ²
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Equipment

Quantity of NC contacts	2
Quantity of NO contacts	2
Can be accessorized	Yes

Use

Local operation/hand operation	Yes
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Standards

European directive WEEE	concerned
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Safety

Protection index IP	IP2X
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Use conditions

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