ERD418

Relay 16A, 2NO+2NC, 24V~50Hz

Technical properties

Architecture

Type of order	Relay
Number of poles	4 P

Configuration

Number of modules	2

Main electrical features

Rated operational voltage Ue	400 V
Frequency	50 Hz

Voltage

Rated insulation voltage	440 V
DC control voltage	0 V
Command voltage AC	24 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	21 VA
Operating consumption	3.4 VA
Total power loss under IN	3.5 W
Power loss per contact	1 W
Power dissipation per coil	1.5 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

Resistance

Winding resistance	29.6 Ω

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

Installation, mounting

Tightening torque	1,2Nm

Connection

Connection cross-sect. flexible conductor	1 / 6mm²
Connection cross-sect. rigid cable	1 / 10mm²
Number of contacts	4
Type of contacts	2NC+2NO
Connection cross-section of the control cable solid	1 / 10 mm²

Equipment

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

Use

Local operation/hand operation	Yes

Safety

Protection class	isol.class II
REACH conform	Yes
RoHS conform	Yes
Halogen free	No

Use conditions

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