



ERD418S

Humfree Relay 16A, 2NO+2NC, 24V~ 50/60Hz

Technical properties

Architecture

Type of order	Relay
Number of poles	4 P

Configuration

Number of modules	2
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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	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

Tripping

Time of response when opening	15 ms
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Time of response when closing	25 ms
Resistance	
Winding resistance	137 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 / 6mm ²
Connection cross-sect. rigid cable	1 / 10mm ²
Number of contacts	4
Type of contacts	2NC+2NO
Connection cross-section of the control cable solid	1 / 10 mm ²
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	No
RoHS conform	Yes
Halogen free	No
Use conditions	
Operating temperature	-10...50 °C
Storage/transport temperature	-40...80 °C