



ERD418S

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

Technical properties

Architecture

Number of poles	4 P
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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
Time of response when closing	25 ms

Resistance

Winding resistance	137 Ω
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Endurance

Electric endurance in number of cycles	30000
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Number of mechanical operations	1000000
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Fluorescent bulbs control

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

Max. power with incandescent lamps	1100 W
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Connection

Number of contacts	4
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Connection cross-section of the control cable solid	1 / 10 mm ²
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Equipment

Quantity of NC contacts	2
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Quantity of NO contacts	2
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Can be accessorized	Yes
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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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Protection class	isol.class II
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Use conditions

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