



ESD440S

Humfree Contactor 40A, 4NO, 24V~ 50Hz & 24V DC

Technical properties

Architecture

Number of poles	4 P
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Configuration

Number of modules	3
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Main electrical features

Rated operational voltage Ue	400 V
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Frequency	50 Hz
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Voltage

Rated insulation voltage	440 V
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DC control voltage	24 V
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Command voltage AC	24 V
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Rated impulse withstand voltage	4 kV
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Electric current

Rated current	40 A
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Thermal rated current outside of housings	40 A
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Acceptable current load with AC7 category A	40 A
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Acceptable current load with AC7 category B	25 A
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Dimensions

Depth of installed product	60 mm
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Height of installed product	85 mm
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Width of installed product	54 mm
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Power

Inrush power absorbed	5.2 VA
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Operating consumption	5.2 VA
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Total power loss under IN	17.3 W
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Power loss per contact	3.2 W
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Power dissipation per coil	4.5 W
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Contact rating with 230 V in AC7 category A	7.3 kW
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Contact rating with 230 V in AC7 category B	2.6 kW
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Contact rating with 400 V in AC7 category A	22 kW
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Contact rating with 400 V in AC7 category B	7.8 kW
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Tripping

Time of response when opening	20 ms
Time of response when closing	25 ms
Resistance	
Winding resistance	95 Ω
Endurance	
Electric endurance in number of cycles	30000
Number of mechanical operations	1000000
Fluorescent bulbs control	
Max. power with fluorescent parallel lamps	1300 VA
Fluorescent lamps in duo circuit	3000 VA
Max. load fluorescent lamp	1900 VA
Incandescent bulbs control	
Max. power with incandescent lamps	4000 W
Connection	
Number of contacts	4
Connection cross-section of the control cable solid	1 / 2.5 mm ²
Equipment	
Can be accessorized	Yes
Use	
Local operation/hand operation	No
Standards	
European directive WEEE	concerned
Safety	
Protection index IP	IP2X
Protection class	isol.class II
Use conditions	
Operating temperature	-10...50 °C
Storage/transport temperature	-40...80 °C