



ERD240S

Humfree Override Contactor 40A, 2NO, 24V

Technische Merkmale

Architecture

Type of order	Relay
Number of poles	2 P

Main electrical features

Rated operational voltage Ue	400 V
Frequency	50/60 Hz

Voltage

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

Electric current

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

Power

Inrush power absorbed	4,5 W
Operating consumption	4,5 W
Total power loss under IN	10,9 W
Power loss per contact	3,2 W
Power dissipation per coil	4,5 W
Contact rating with 230 V in AC7 category A	7,3 kW
Contact rating with 230 V in AC7 category B	2,6 kW
Contact rating with 400 V in AC7 category A	22 kW
Contact rating with 400 V in AC7 category B	7,8 kW

Tripping

Time of response when opening	20 ms
Time of response when closing	25 ms

Resistance

Winding resistance	95 Ω
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Endurance

Electric endurance in number of cycles	30000
Number of mechanical operations	1000000

Dimensions

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

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
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Installation, mounting

Tightening torque	Coil: 2,5Nm, Power: 3,5Nm
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Connection

Connection cross-sect. flexible conductor	1,5 / 16mm ²
Connection cross-sect. rigid cable	1,5 / 25mm ²
Number of contacts	2
Type of contacts	2NO
Type of connection	with screw
Cable connect. cross section (flexible) for control	1 / 2,5 mm ²
Connection cross-section of the control cable solid	1 / 2,5 mm ²

Equipment

Can be accessorized	yes
With slide for manual switch	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
Protection class	isol.class II

Use conditions

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