



ERD240S

Humfree Override Contactor 40A, 2NO, 24V~ 50Hz & 24V DC

Technical properties

Architecture

Type of order	Relay
Number of poles	2 P

Configuration

Number of modules	3
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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	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

Dimensions

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

Power

Inrush power absorbed	5.2 VA
Operating consumption	5.2 VA
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
Endurance	
Electric endurance in number of cycles	30000
Number of mechanical operations	100000
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
Installation, mounting	
Tightening torque	Coil: 2,5Nm ; Power: 3,5Nm
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
Connection cross-section of the control cable solid	1 / 2.5 mm ²
Equipment	
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