



ERL240S

## Humfree Override Contactor 40A, 2NO, 12V~ 50Hz & 12V DC

### Technical properties

#### Architecture

Number of poles	2 P
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#### 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	12 V
Command voltage AC	12 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
<b>Resistance</b>	
Winding resistance	20 Ω
<b>Endurance</b>	
Electric endurance in number of cycles	30000
Number of mechanical operations	1000000
<b>Fluorescent bulbs control</b>	
Max. power with fluorescent parallel lamps	1300 VA
Fluorescent lamps in duo circuit	3000 VA
Max. load fluorescent lamp	1900 VA
<b>Incandescent bulbs control</b>	
Max. power with incandescent lamps	4000 W
<b>Connection</b>	
Number of contacts	2
Connection cross-section of the control cable solid	1 / 2.5 mm <sup>2</sup>
<b>Equipment</b>	
Can be accessorized	Yes
<b>Use</b>	
Local operation/hand operation	Yes
<b>Standards</b>	
European directive WEEE	concerned
<b>Safety</b>	
Protection index IP	IP2X
Protection class	isol.class II
<b>Use conditions</b>	
Operating temperature	-10...50 °C
Storage/transport temperature	-40...80 °C