



ERD225S

## Humfree Override Contactor 25A, 2NO, 24V~ 50/60Hz

### Technical properties

#### Architecture

Type of order	Relay
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#### Configuration

Number of modules	1
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#### Main electrical features

Rated operational voltage $U_e$	230 V
Frequency	50 Hz

#### Voltage

Rated insulation voltage	250 V
DC control voltage	0 V
Command voltage AC	24 V
Rated impulse withstand voltage	4 kV

#### Electric current

Rated current	25 A
Thermal rated current outside of housings	25 A
Acceptable current load with AC7 category A	25 A
Acceptable current load with AC7 category B	8.5 A

#### Dimensions

Depth of installed product	60 mm
Height of installed product	83 mm
Width of installed product	17.85 mm

#### Power

Inrush power absorbed	2.4 VA
Operating consumption	2.2 VA
Total power loss under IN	5.2 W
Power loss per contact	1.5 W
Power dissipation per coil	2.2 W
Contact rating with 230 V in AC7 category A	4.6 kW
Contact rating with 230 V in AC7 category B	880 W

#### Tripping

Time of response when opening	15 ms
Time of response when closing	25 ms

**Endurance**

Electric endurance in number of cycles	30000
Number of mechanical operations	100000

**Fluorescent bulbs control**

Max. power with fluorescent parallel lamps	810 VA
Fluorescent lamps in duo circuit	1990 VA
Max. load fluorescent lamp	950 VA

**Incandescent bulbs control**

Max. power with incandescent lamps	1900 W
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**Installation, mounting**

Tightening torque	1,2Nm
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**Connection**

Connection cross-sect. flexible conductor	1 / 6mm <sup>2</sup>
Connection cross-sect. rigid cable	1 / 10mm <sup>2</sup>
Type of contacts	2NO
Type of connection	with screw
Connection cross-section of the control cable solid	1 / 10 mm <sup>2</sup>

**Equipment**

Can be accessorized	No
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**Use**

Local operation/hand operation	Yes
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**Safety**

REACH conform	No
RoHS conform	Yes
Halogen free	No

**Use conditions**

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