



ERL418SDC

Humfree Relay 16A, 2NO+2NC, 12VDC

Technical Features

Connection

Type of contacts	2NC+2NO
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Electric current

Rated current	16 A
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Capacity

Number of modules	2
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Frequency

Frequency	50 - 50 Hz
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Voltage

Rated impulse withstand voltage U_{imp}	4000 V
Rated insulation voltage U_i	440 V
Rated operational voltage U_e	400 - 400 V
Command voltage AC	0 - 0 V
Command voltage DC	12 - 12 V

Use conditions

Operating temperature	-10 - 50 °C
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Use

Category of use	AC-7a/AC-7b
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Use conditions

Storage/transport temperature	-40 - 80 °C
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Endurance

Number of mechanical operations	100000
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Texts

Safety hint	Humfree contactors are not suitable for intensive use cases (powered 24/7) and in these cases industrial contactors must be used.
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Endurance

Electric endurance in number of cycles	30000
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Power

Total power loss under I_N	4.80 W
Inrush power absorbed	2.80 VA

Dimensions

Height	83 mm
Width	35.75 mm
Depth	60 mm

Equipment

Number of NO contacts	2
Number of NC contacts	2
With switch for manual switch	Yes

Connection

Cross-section flexible conductor	1 - 6 mm ²
Cross-section rigid conductor	1 - 10 mm ²

Installation, mounting

Nominal tightening torque	1.20 - 1.20 Nm
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Sustainability	
RoHS conform	Yes