



ERL418

**Relay 16A, 2NO+2NC, 12V~ 50Hz**

**Technical properties**

**Architecture**

Number of poles	4 P
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**Configuration**

Number of modules	2
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**Main electrical features**

Rated operational voltage Ue	400 V
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Frequency	50 Hz
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**Voltage**

Rated insulation voltage	440 V
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DC control voltage	0 V
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Command voltage AC	12 V
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Rated impulse withstand voltage	4 kV
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**Electric current**

Rated current	16 A
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Thermal rated current outside of housings	16 A
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Acceptable current load with AC7 category A	16 A
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Acceptable current load with AC7 category B	5.5 A
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**Dimensions**

Depth of installed product	60 mm
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Height of installed product	83 mm
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Width of installed product	35.75 mm
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**Power**

Inrush power absorbed	21 VA
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Operating consumption	3.4 VA
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Total power loss under IN	3.5 W
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Power loss per contact	1 W
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Power dissipation per coil	1.5 W
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Contact rating with 230 V in AC7 category A	3 kW
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Contact rating with 230 V in AC7 category B	570 W
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Contact rating with 400 V in AC7 category A	8.9 kW
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Contact rating with 400 V in AC7 category B	1.7 kW
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**Tripping**

Time of response when opening	15 ms
Time of response when closing	25 ms
<b>Resistance</b>	
Winding resistance	7.4 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	490 VA
Fluorescent lamps in duo circuit	1200 VA
Max. load fluorescent lamp	570 VA
<b>Incandescent bulbs control</b>	
Max. power with incandescent lamps	1100 W
<b>Connection</b>	
Number of contacts	4
Connection cross-section of the control cable solid	1 / 10 mm <sup>2</sup>
<b>Equipment</b>	
Quantity of NC contacts	2
Quantity of NO contacts	2
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