



ERL218

**Relay 16A, 1NO+1NC, 12V~50Hz**

**Technical properties**

**Architecture**

Type of order	Relay
---------------	-------

**Configuration**

Number of modules	1
-------------------	---

**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	12 V
--------------------	------

Rated impulse withstand voltage	4 kV
---------------------------------	------

**Electric current**

Rated current	16 A
---------------	------

Thermal rated current outside of housings	16 A
---	------

Acceptable current load with AC7 category A	16 A
---	------

Acceptable current load with AC7 category B	5.5 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	10.7 VA
-----------------------	---------

Operating consumption	2.9 VA
-----------------------	--------

Total power loss under IN	2 W
---------------------------	-----

Power loss per contact	1 W
------------------------	-----

Power dissipation per coil	1 W
----------------------------	-----

Contact rating with 230 V in AC7 category A	3 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	490 VA
Fluorescent lamps in duo circuit	1200 VA
Max. load fluorescent lamp	570 VA

**Incandescent bulbs control**

Max. power with incandescent lamps	1100 W
------------------------------------	--------

**Installation, mounting**

Tightening torque	1,2Nm
-------------------	-------

**Connection**

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

**Equipment**

Quantity of NC contacts	1
Quantity of NO contacts	1
Can be accessorized	Yes

**Use**

Local operation/hand operation	Yes
--------------------------------	-----

**Safety**

REACH conform	Yes
RoHS conform	Yes
Halogen free	No

**Use conditions**

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