



ERL216

Relay 16A, 2NO, 12V~50Hz

Technical properties

Architecture

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

Configuration

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

Main electrical features

| | |
|---------------------------------|-------|
| Rated operational voltage U_e | 230 V |
|---------------------------------|-------|

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|-----------|-------|
| Frequency | 50 Hz |
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Voltage

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|--------------------------|-------|
| Rated insulation voltage | 250 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

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|---------------|------|
| 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

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|----------------------------|-------|
| Depth of installed product | 60 mm |
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|-----------------------------|-------|
| Height of installed product | 83 mm |
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|----------------------------|----------|
| Width of installed product | 17.85 mm |
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Power

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|-----------------------|---------|
| Inrush power absorbed | 10.7 VA |
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|-----------------------|--------|
| Operating consumption | 2.9 VA |
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|---------------------------|-----|
| Total power loss under IN | 3 W |
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|------------------------|-----|
| Power loss per contact | 1 W |
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|----------------------------|-----|
| Power dissipation per coil | 1 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 | 880 W |
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Tripping

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|-------------------------------|-------|
| Time of response when opening | 15 ms |
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|-------------------------------|-------|
| Time of response when closing | 25 ms |
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Endurance

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

Fluorescent bulbs control

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|--|---------|
| Max. power with fluorescent parallel lamps | 490 VA |
| Fluorescent lamps in duo circuit | 1200 VA |
| Max. load fluorescent lamp | 570 VA |

Incandescent bulbs control

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|------------------------------------|--------|
| Max. power with incandescent lamps | 1100 W |
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Installation, mounting

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|-------------------|-------|
| Tightening torque | 1,2Nm |
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Connection

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|---|------------------------|
| Connection cross-sect. flexible conductor | 1 / 6mm ² |
| Connection cross-sect. rigid cable | 1 / 10mm ² |
| Type of contacts | 2NO |
| Connection cross-section of the control cable solid | 1 / 10 mm ² |

Equipment

| | |
|-------------------------|-----|
| Quantity of NC contacts | 0 |
| Quantity of NO contacts | 2 |
| Can be accessorized | Yes |

Use

| | |
|--------------------------------|-----|
| Local operation/hand operation | Yes |
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Safety

| | |
|---------------|-----|
| REACH conform | Yes |
| RoHS conform | Yes |
| Halogen free | No |

Use conditions

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