



ESC125

Contactor 25A, 1NO, 230V~50/60Hz

Technical properties

Architecture

| | |
|-----------------|----------------|
| Type of order | Not applicable |
| Number of poles | 1 P |

Configuration

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

Main electrical features

| | |
|------------------------------|-------|
| Rated operational voltage Ue | 230 V |
| Frequency | 50 Hz |

Voltage

| | |
|---------------------------------|-------|
| Rated insulation voltage | 250 V |
| DC control voltage | 0 V |
| Command voltage AC | 230 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 | 7.4 W |
| Operating consumption | 1.8 W |
| Total power loss under IN | 2.1 W |
| Power loss per contact | 1.5 W |
| Power dissipation per coil | 0.6 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 |
|-------------------------------|-------|

Resistance

| | |
|--------------------|--------|
| Winding resistance | 5500 Ω |
|--------------------|--------|

Endurance

| | |
|--|-------|
| Electric endurance in number of cycles | 30000 |
|--|-------|

| | |
|---------------------------------|---------|
| Number of mechanical operations | 1000000 |
|---------------------------------|---------|

Fluorescent bulbs control

| | |
|--|--------|
| Max. power with fluorescent parallel lamps | 500 VA |
|--|--------|

| | |
|----------------------------------|--------|
| Fluorescent lamps in duo circuit | 990 VA |
|----------------------------------|--------|

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|----------------------------|--------|
| Max. load fluorescent lamp | 490 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 |
|-------------------|-------|

Connection

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|---|----------------------|
| Connection cross-sect. flexible conductor | 1 / 6mm ² |
|---|----------------------|

| | |
|------------------------------------|-----------------------|
| Connection cross-sect. rigid cable | 1 / 10mm ² |
|------------------------------------|-----------------------|

| | |
|--------------------|---|
| Number of contacts | 1 |
|--------------------|---|

| | |
|------------------|-----|
| Type of contacts | 1NO |
|------------------|-----|

| | |
|--------------------|------------|
| Type of connection | with screw |
|--------------------|------------|

| | |
|---|------------------------|
| Connection cross-section of the control cable solid | 1 / 10 mm ² |
|---|------------------------|

Equipment

| | |
|---------------------|-----|
| Can be accessorized | Yes |
|---------------------|-----|

Use

| | |
|--------------------------------|----|
| Local operation/hand operation | No |
|--------------------------------|----|

Standards

| | |
|-------------------------|---------------|
| European directive WEEE | not concerned |
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Safety

| | |
|------------------|---------------|
| Protection class | isol.class II |
|------------------|---------------|

Use conditions

| | |
|-----------------------|-------------|
| Operating temperature | -10...50 °C |
|-----------------------|-------------|

| | |
|-------------------------------|-------------|
| Storage/transport temperature | -40...80 °C |
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