



## Contactor 40A, 4NC, 230V

ESC441

### Architecture

Type of order	Not applicable
Number of poles	4 P

### Main electrical features

Rated operational voltage Ue	400 V
Frequency	50 Hz

### Voltage

Rated insulation voltage	440 V
Command voltage AC	230 V
Rated impulse withstand voltage	4 kV

### Electric current

Rated current	40 A
Thermal rated current outside of housings	40 A
Acceptable current load with AC7 category A	40 A
Acceptable current load with AC7 category B	25 A

### Power

Inrush power absorbed	62,5 W
Operating consumption	5,75 W
Total power loss under IN	18,55 W
Power loss per contact	3,2 W
Power dissipation per coil	0,5 W
Contact rating with 230 V in AC7 category A	7,3 kW
Contact rating with 230 V in AC7 category B	2,6 kW
Contact rating with 400 V in AC7 category A	22 kW
Contact rating with 400 V in AC7 category B	7,8 kW

### Tripping

Time of response when opening	20 ms
Time of response when closing	25 ms

#### Resistance

Winding resistance	770 ?
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#### Endurance

Electric endurance in number of cycles	30000
Number of mechanical operations	1000000

#### Dimensions

Depth of installed product	60 mm
Height of installed product	85 mm
Width of installed product	54 mm

#### Fluorescent bulbs control

Max. power with fluorescent parallel lamps	1300 VA
Fluorescent lamps in duo circuit	3000 VA
Max. load fluorescent lamp	1900 VA

#### Incandescent bulbs control

Max. power with incandescent lamps	4000 W
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#### Installation, mounting

Tightening torque	Coil: 2,5Nm, Power: 3,5Nm
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#### Connection

Connection cross-sect. flexible conductor	1,5 / 16mm <sup>2</sup>
Connection cross-sect. rigid cable	1,5 / 25mm <sup>2</sup>
Number of contacts	4
Type of contacts	4NC
Type of connection	with screw
Cable connect. cross section (flexible) for control	1 / 2,5 mm <sup>2</sup>
Connection cross-section of the control cable solid	1 / 2,5 mm <sup>2</sup>

#### Equipment

Can be accessorized	yes
With slide for manual switch	no

#### Use

Local operation/hand operation	no
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#### Standards

European directive WEEE	concerned
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#### Safety

Protection index IP	IP2X
Protection class	isol.class II

#### Use conditions

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