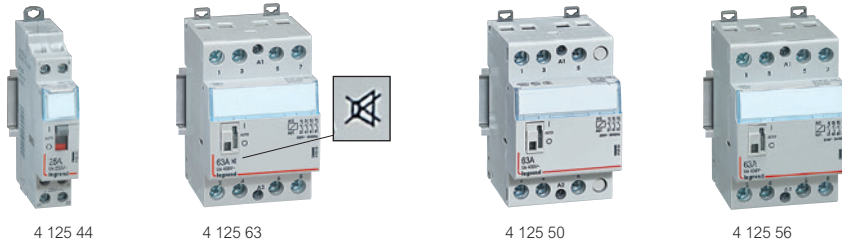


Power contactors with handle CX³

from 16 A to 63 A



Dimensions **see e-catalogue**
 Technical characteristics **p. 88**

Conform to IEC/EN 61095
 Space for power supply busbar on top (up to 25 A)

| Pack | Cat.Nos | Power contactors with 24 V~ coil and handle | | | |
|------|-----------------------|---|----------------|--------------------------|------------------------|
| | | Manual override for test and repair function, carried out via the handle Permanent "ON" or "OFF" without automatic reset | | | |
| | | 2-pole - 250 V~ | | | |
| 1 | 4 125 14 | I max 25 A | Connection | Type of contact 2 N/O | Number of modules 1 |
| 1 | 4 125 15 ¹ | 40 A | | 2 N/O | 2 |
| 1 | 4 125 16 ¹ | 63 A | | 2 N/O | 2 |
| | | 4-pole - 400 V~ | | | |
| 1 | 4 125 17 | 25 A | | 4 N/O | 2 |
| 1 | 4 125 18 ¹ | 40 A | | 4 N/O | 3 |
| 1 | 4 125 19 ¹ | 63 A | | 4 N/O | 3 |
| | | Low noise power contactors with 230 V~ coil and handle | | | |
| | | 2-pole - 250 V~ | | | |
| 1 | 4 125 58 | I max 25 A | Connection | Type of contact 2 N/O | Number of modules 1 |
| 1 | 4 125 59 ¹ | 40 A | | 2 N/O | 2 |
| 1 | 4 125 60 ¹ | 63 A | | 2 N/O | 2 |
| | | 4-pole - 400 V~ | | | |
| 1 | 4 125 61 | 25 A | | 4 N/O | 2 |
| 1 | 4 125 62 ¹ | 40 A | | 4 N/O | 3 |
| 1 | 4 125 63 ¹ | 63 A | | 4 N/O | 3 |

| Pack | Cat.Nos | Power contactors with 230 V~ coil and handle | | | |
|------|-----------------------|--|----------------|--------------------------|------------------------|
| | | Manual override for test and repair function, carried out via the handle Permanent "ON" or "OFF" without automatic closing of the contactor | | | |
| | | 2-pole - 250 V~ | | | |
| 4 | 4 125 44 | I max 25 A | Connection | Type of contact 2 N/O | Number of modules 1 |
| 1 | 4 125 45 ¹ | 40 A | | 2 N/O | 2 |
| 1 | 4 125 47 ¹ | 63 A | | 2 N/O | 2 |
| 1 | 4 125 48 ¹ | 63 A | | 2 N/C | 2 |
| | | 3-pole - 400 V~ | | | |
| 1 | 4 125 49 ¹ | 40 A | | 3 N/O | 3 |
| 1 | 4 125 50 ¹ | 63 A | | 3 N/O | 3 |
| | | 4-pole - 400 V~ | | | |
| 2 | 4 125 51 | 25 A | | 4 N/O | 2 |
| 1 | 4 125 53 ¹ | 40 A | | 4 N/O | 3 |
| 1 | 4 125 56 ¹ | 63 A | | 4 N/O | 3 |
| 1 | 4 125 57 ¹ | 63 A | | 4 N/C | 3 |

1: Handle can be accessed after removing blanking plate

Technical characteristics

- Rated impulse withstand voltage (Uimp): 4 kV
- Mechanical endurance (no. of operating cycles): 10⁶ cycles
- Operating temperatures: - 25 °C to + 40 °C
- Storage temperatures: - 40 °C to + 70 °C

Contactor protection against short circuits according to standard EN 61095, conditional short-circuit current:

- I_q = 6 kA for 16 to 25 A contactors
- I_q = 3 kA for 40 to 63 A contactors

Circuit breaker or gG fuse rated:

- ≤ 16 A for 16 A rating • ≤ 40 A for 40 A rating
- ≤ 25 A for 25 A rating • ≤ 63 A for 63 A rating

Consumption of a contactor control coil

| 16 A and 25 A power contactors | | | | | |
|--------------------------------|-----------------|---------|---------------------|-------------------------|-----------------------------|
| Coil voltage | 24 V~ | | 230 V~ low noise | 230 V~ | |
| Current | 16 A and 25 A | 25 A | 25 A | 16 A and 25 A | 16 A and 25 A |
| Type of contact | NC + NO 2 NO | 4 NO | 2 NO | NC + NO 2 NO 2 NC | 2 NC + 2 NO 4 NO 4 NC |
| Dimensions | 1 mod. | 2 mod. | 1 mod. | 1 mod. | 2 mod. |
| Holding current | 200 mA | 300 mA | 12 mA | 20 mA | 20 mA |
| Inrush current | 970 mA | 2500 mA | 60 mA | 90 mA | 200 mA |

| 40 A and 63 A power contactors | | | | |
|--------------------------------|---------------|---------------|---------------|----------------------|
| Coil voltage | 24 V~ | | 230 V~ | |
| Current | 40 A and 63 A | 40 A and 63 A | 40 A and 63 A | 40 A and 63 A |
| Type of contact | 2 NO | 4 NO | 2 NO 2 NC | 3 NO 4 NO 4 NC |
| Dimensions | 2 mod. | 3 mod. | 2 mod. | 3 mod. |
| Holding current | 250 mA | 270 mA | 15 mA | 30 mA |
| Inrush current | 1750 mA | 1500 mA | 150 mA | 200 mA |

Recommendations

Insert a spacing module (Cat.No 4 063 07 p. 73):
 - every two contactors when the ambient temperature is below 40 °C
 - every contactor when the ambient temperature is between 40 and 60 °C

| Contactor rating | 40 °C | 50 °C | 60 °C |
|------------------|-------|-------|-------|
| le = 16 A | 16 A | 14 A | 12 A |
| le = 25 A | 25 A | 22 A | 20 A |
| le = 40 A | 40 A | 36 A | 32 A |
| le = 63 A | 63 A | 57 A | 50 A |

Max. connection cross-section in mm²

| Conductor type | Ratings ≤ 25 A | Ratings 40 & 63 A |
|------------------------------|--|--|
| Rigid | 6 ² or 2 x 2.5 ² | 25 ² or 2 x 10 ² |
| Flexible | 6 ² or 2 x 2.5 ² | 25 ² or 2 x 10 ² |
| Flexible with single end cap | 6 ² | 16 ² |
| Flexible with double end cap | 2 x 4 ² | 2 x 16 ² |

Contactor selection charts (number of lamps per contactor)

Incandescent lamps

| Tungsten and halogen filaments 230 V~ | | | | | | | | |
|---------------------------------------|------|------|------|-------|-------|-------|-------|--------|
| Nominal wattage | 40 W | 60 W | 75 W | 100 W | 150 W | 200 W | 500 W | 1000 W |
| 16 A | 45 | 30 | 24 | 19 | 13 | 10 | 4 | 2 |
| 25 A | 60 | 48 | 38 | 30 | 20 | 15 | 6 | 3 |
| 40 A | 96 | 77 | 61 | 48 | 32 | 24 | 10 | 5 |
| 63 A | 154 | 123 | 97 | 77 | 51 | 38 | 15 | 8 |

| ELV halogen bulbs with ferromagnetic ballast | | | | | | ELV halogen bulbs with electronic ballast | | | | | | |
|--|------|------|------|------|-------|---|------|------|------|------|-------|-------|
| Nominal wattage | 20 W | 35 W | 50 W | 75 W | 100 W | 150 W | 20 W | 35 W | 50 W | 75 W | 100 W | 150 W |
| 16 A | 32 | 20 | 15 | 12 | 9 | 6 | 60 | 40 | 28 | 18 | 14 | 9 |
| 25 A | 52 | 30 | 24 | 16 | 12 | 8 | 80 | 50 | 40 | 26 | 20 | 13 |
| 40 A | 68 | 39 | 31 | 21 | 16 | 10 | 112 | 70 | 56 | 36 | 28 | 18 |
| 63 A | 88 | 51 | 41 | 27 | 20 | 14 | 157 | 98 | 78 | 51 | 39 | 25 |

Contactor selection charts (number of lamps per contactor)(continued)

LED lamps

| Nominal wattage | Non-dimmable LED lamps (without driver) | | | | | | | | | |
|-----------------|---|-----|-----|-----|------|------|------|------|------|------|
| | 2 W | 5 W | 7 W | 9 W | 12 W | 18 W | 22 W | 30 W | 40 W | 50 W |
| 16A | 16 | 16 | 16 | 16 | 16 | 15 | 14 | 12 | 10 | 9 |
| 25A | 30 | 30 | 30 | 30 | 30 | 27 | 25 | 22 | 18 | 15 |
| 40A | 90 | 90 | 85 | 85 | 85 | 80 | 75 | 65 | 50 | 37 |
| 63A | 150 | 150 | 140 | 140 | 140 | 115 | 100 | 80 | 70 | 55 |

| Nominal wattage | Dimmable LED lamps (equipped with driver) | | | | | | | | | |
|-----------------|---|-----|-----|-----|------|------|------|------|------|------|
| | 2 W | 5 W | 7 W | 9 W | 12 W | 18 W | 22 W | 30 W | 40 W | 50 W |
| 16A | 40 | 40 | 40 | 35 | 35 | 33 | 30 | 27 | 23 | 20 |
| 25A | 65 | 65 | 65 | 60 | 60 | 56 | 51 | 45 | 33 | 30 |
| 40A | 170 | 170 | 170 | 162 | 162 | 129 | 113 | 95 | 77 | 65 |
| 63A | 265 | 265 | 265 | 260 | 260 | 214 | 176 | 139 | 121 | 105 |

Fluorescent tubes with electronic ballast

| Nominal wattage | Single fluorescent | | | | Double fluorescent | | |
|-----------------|--------------------|------|------|------|--------------------|----------|----------|
| | 18 W | 30 W | 36 W | 58 W | 2 x 18 W | 2 x 36 W | 2 x 58 W |
| 16 A | 72 | 42 | 36 | 22 | 36 | 20 | 12 |
| 25 A | 110 | 68 | 58 | 36 | 56 | 30 | 19 |
| 40 A | 165 | 102 | 87 | 54 | 84 | 45 | 29 |
| 63 A | 248 | 153 | 131 | 81 | 126 | 68 | 43 |

| Nominal wattage | Triple fluorescent (series compensated) | | Quadruple fluorescent (series compensated) | |
|-----------------|---|----------|--|----------|
| | 3 x 14 W | 3 x 18 W | 4 x 14 W | 4 x 18 W |
| 16 A | 34 | 26 | 26 | 20 |
| 25 A | 46 | 38 | 37 | 28 |
| 40 A | 62 | 51 | 52 | 39 |
| 63 A | 84 | 69 | 73 | 55 |

| Nominal wattage | Compact fluorescent with built-in electronic power supply | | | | |
|-----------------|---|------|------|------|------|
| | 7 W | 11 W | 15 W | 20 W | 23 W |
| 16 A | 120 | 80 | 64 | 50 | 43 |
| 25 A | 200 | 125 | 90 | 70 | 60 |
| 40 A | 280 | 175 | 126 | 98 | 84 |
| 63 A | 392 | 245 | 176 | 137 | 118 |

Discharge lamps with compensation

| Nominal wattage | Metal halogenide | | | | | | Low pressure sodium vapour | | | | | |
|-----------------|------------------|------|-------|-------|-------|-------|----------------------------|------|------|------|-------|-------|
| | 35 W | 70 W | 100 W | 150 W | 250 W | 400 W | 18 W | 35 W | 55 W | 90 W | 135 W | 180 W |
| 16 A | 10 | 6 | 5 | 3 | 2 | 1 | 12 | 6 | 5 | 3 | 2 | 2 |
| 25 A | 15 | 9 | 7 | 5 | 3 | 2 | 20 | 10 | 7 | 5 | 3 | 3 |
| 40 A | 23 | 14 | 11 | 8 | 5 | 3 | 30 | 15 | 11 | 8 | 5 | 5 |
| 63 A | 34 | 20 | 16 | 11 | 7 | 5 | 45 | 23 | 16 | 11 | 7 | 7 |

| Nominal wattage | High pressure sodium vapour | | | | | High pressure mercury vapour | | | | |
|-----------------|-----------------------------|-------|-------|-------|--------|------------------------------|------|-------|-------|-------|
| | 70 W | 150 W | 250 W | 400 W | 1000 W | 50 W | 80 W | 125 W | 250 W | 400 W |
| 16 A | 8 | 7 | 5 | 3 | 1 | 11 | 8 | 6 | 3 | 2 |
| 25 A | 10 | 9 | 6 | 4 | 2 | 15 | 10 | 8 | 4 | 3 |
| 40 A | 15 | 14 | 9 | 6 | 3 | 21 | 14 | 11 | 6 | 4 |
| 63 A | 23 | 20 | 14 | 9 | 5 | 29 | 20 | 16 | 8 | 6 |

| Nominal wattage | High pressure mixed | | | |
|-----------------|---------------------|-------|-------|-------|
| | 100 W | 160 W | 250 W | 400 W |
| 16 A | 9 | 6 | 4 | 2 |
| 25 A | 11 | 7 | 5 | 3 |
| 40 A | 14 | 9 | 7 | 4 |
| 63 A | 19 | 12 | 8 | 5 |

Fluorescent lamps with ferromagnetic ballast, **please consult us**