# power contactors
## from 16 A to 63 A

NEW


041 16


041 23


041 24


041 31


041 47


040 78

Dimensions (p. 70)

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

### Power contactors with 24 V~ coil

| Pack | Cat. No. | I max | Type of contact | Number of modules |
|---|---|---|---|---|
| **2-pole - 250 V~** | | | | |
| 1 | 041 14 | 16 A | N/C + N/O | 1 |
| 1 | 041 16 | 25 A | 2 N/O | 1 |
| **4-pole - 400 V~** | | | | |
| 1 | 041 17 | 25 A | 4 N/O | 2 |

### 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

| Pack | Cat. No. | I max | Type of contact | Number of modules |
|---|---|---|---|---|
| **2-pole - 250 V~** | | | | |
| 1 | 041 23 | 25 A | 2 N/O | 1 |
| 1 | 040 73(1) | 63 A | 2 N/O | 2 |
| **4-pole - 400 V~** | | | | |
| 1 | 041 24 | 25 A | 4 N/O | 2 |
| 1 | 040 74(1) | 63 A | 4 N/O | 2 |

### Low noise power contactors with 230 V~ coil

| Pack | Cat. No. | I max | Type of contact | Number of modules |
|---|---|---|---|---|
| **2-pole - 250 V~** | | | | |
| 1 | 041 49 | 25 A | 2 N/O | 1 |

### Power contactors with 230 V~ coil

| Pack | Cat. No. | I max | Type of contact | Number of modules |
|---|---|---|---|---|
| **2-pole - 250 V~** | | | | |
| 4 | 041 26 | 16 A | N/C + N/O | 1 |
| 10 | 041 58 | 25 A | 2 N/O | 1 |

### Power contactors with 230 V~ coil (continued)

| Pack | Cat. No. | I max | Type of contact | Number of modules |
|---|---|---|---|---|
| **2-pole - 250 V~** | | | | |
| 1 | 041 29 | 25 A | 2 N/C | 1 |
| **4-pole - 400 V~** | | | | |
| 5 | 041 31 | 25 A | 4 N/O | 2 |
| 1 | 041 32 | 25 A | 4 N/C | 2 |
| 1 | 041 33 | 25 A | 2 N/O + 2 N/C | 2 |

### 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

| Pack | Cat. No. | I max | Type of contact | Number of modules |
|---|---|---|---|---|
| **2-pole - 250 V~** | | | | |
| 4 | 041 47 | 25 A | 2 N/O | 1 |
| 1 | 040 68(1) | 40 A | 2 N/O | 2 |
| 1 | 040 75(1) | 63 A | 2 N/O | 2 |
| 1 | 040 76(1) | 63 A | 2 N/C | 2 |
| **3-pole - 400 V~** | | | | |
| 1 | 040 69(1) | 40 A | 3 N/O | 3 |
| 1 | 040 77(1) | 63 A | 3 N/C | 3 |
| **4-pole - 400 V~** | | | | |
| 2 | 041 48 | 25 A | 4 N/O | 2 |
| 1 | 040 70 (1) | 40 A | 4 N/O | 3 |
| 1 | 040 78 (1) | 63 A | 4 N/O | 3 |
| 1 | 040 79 | 63 A | 4 N/C | 3 |

(1) Handle can be accessed once the blanking plate has been removed



Some items sold separately
For pack quantity, please refer to numerical index pages
For trade price, please see your local HPM Legrand representative for the current price list

# power contacts
## from 16 A to 63 A (continued)

NEW


041 85


041 83


040 85

| Pack | Cat. No. | Signalling auxiliaries for contactors | I max. | Voltage | Changeover switch | Number of modules |
|---|---|---|---|---|---|---|
| | | Auxiliary changeover switch<br>Used to signal the position status of the contacts on the product to which it is connected | | | | |
| | | **For 1 module contactors 16 A to 25 A** | | | | |
| | | Maximum 2 auxiliary devices per contactor<br>Fitted on left-hand side of contactor | | | | |
| 1 | 041 85 | | 5 A | 250 V~ | N/C + N/O | 0.5 |
| | | **For 2 module contactors 25 A** | | | | |
| | | Maximum 2 auxiliary devices per contactor<br>Fitted on left-hand side of contactor | | | | |
| 1 | 041 83 | | 5 A | 250 V~ | N/C + N/O | 0.5 |
| | | **For 40 and 63 A contactors** | | | | |
| | | Maximum 1 auxiliary device per contactor<br>Fitted on left-hand side of contactor | | | | |
| 1 | 040 85 | | 5 A | 250 V~ | N/C + N/O | 0.5 |

# power contacts
## from 16 A to 63 A

### ■ Technical characteristics

- rated impulsive resistant current (Uimp): 4 kV
- mechanical life in cycles of operations: $10^6$ cycles
- temperature:
  - operation: - 25° C to + 40° C
  - storage: - 40° C to +70° C

**Protection of contactors against short-circuits conforming to IEC EN 61095, conditional short-circuit current Iq = 6 kA**

MCB or gG fuse, rating:

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

### • Control coil consumption

| | Power contactors 16 A and 25 A | | | | |
|---|---|---|---|---|---|
| **Control voltage** | 24 VA | | 230 VA low noise | 230 VA | |
| **Nominal current** | 16 - 25 A | 25 A | 25 A | 16 - 25 A | 16 - 25 A |
| **Type of contact** | N/O + N/C<br>2 N/C | 4 N/O | 2 N/O | N/O + N/C<br>2 N/O<br>2 N/C | 2 N/O + 2 N/C<br>4 N/O<br>4 N/C |
| **Number of modules** | 1 | 2 | 1 | 1 | 2 |
| **Holding** | 200 mA | 300 mA | 6 mA | 20 mA | 20 mA |
| **Inrush** | 970 mA | 300 mA | 55 mA | 90 mA | 200 mA |

| | Power contactors 40 A, 63 A | | | |
|---|---|---|---|---|
| **Control voltage** | 24 VA | | 230 VA | |
| **Nominal current** | 40 and 63 A | 40 and 63 A | 40 and 63 A | 40 and 63 A |
| **Type of contact** | 2 N/O | 4 N/O | 2 N/O<br>2 N/C | 3 N/O<br>4 N/O<br>4 N/C |
| **Number of modules** | 2 | 3 | 2 | 3 |
| **Holding** | 250 mA | 270 mA | 15 mA | 30 mA |
| **Inrush** | 1750 mA | 1500 mA | 150 mA | 200 mA |

### • Recommendations

Derating of contactors mounted in modular boxes if the internal temperature is > 40 °C

| Contactor rating | 40 °C | 50 °C | 60 °C | 70 °C |
|---|---|---|---|---|
| **Ie = 16 A** | 16 A | 14 A | 12 A | 10 A |
| **Ie = 25 A** | 25 A | 22 A | 20 A | 18 A |
| **Ie = 40 A** | 40 A | 36 A | 32 A | 29 A |
| **Ie = 63 A** | 63 A | 57 A | 50 A | 45 A |

Install a spacing unit every two contactors (Cat. No. 044 40 or 044 41)

### • Max. connection cross-section in mm²

| Type of conductor | Ratings ≤ 25 A | Ratings 40 and 63 A |
|---|---|---|
| **Rigid** | 1 x $6^2$ or 2 x $2.5^2$ | 1 x $25^2$ or 2 x $10^2$ |
| **Flexible** | 1 x $6^2$ or 2 x $2.5^2$ | 1 x $25^2$ or 2 x $10^2$ |
| **Flexible with single ferrule** | 1 x $6^2$ | 1 x $16^2$ |
| **Flexible with double ferrule** | 2 x $4^2$ | 2 x $16^2$ |

Cross reference list old range / new range

| Old range Cat. No. | New range Cat. No. | Designation |
|---|---|---|
| 040 33 | 041 14 | 16 A - 24 V - N/C + N/O |
| 040 41 | 041 16 (1) / 041 23 (2) | 25 A - 24 V - 2 N/O |
| 040 43 | 041 17 (1) / 041 24 (2) | 25 A - 24 V - 4 N/O |
| 040 38 | 041 26 | 16 A - 230 V - N/C + N/O |
| 040 49 | 041 58 (1) / 041 47 (2) | 25 A - 230 V - 2 N/O |
| 040 52 | 041 49 | 25 A - 230 V - 2 N/O low noise |
| 040 50 | 041 29 | 25 A - 230 V - 2 N/C |
| 040 53 | 041 31 (1) / 041 48 (2) | 25 A - 230 V - 4 N/O |
| 040 54 | 041 32 | 25 A - 230 V - 4 N/C |
| 040 55 | 041 33 | 25 A - 230 V - 2 N/C + 2 N/O |
| 040 85 | 041 85 | Auxiliary changeover switch for 1 module 16 and 25 A contactors |
| | 041 83 | Auxiliary changeover switch for 2 modules 25 A contactors |
| | 040 85 | Auxiliary changeover switch for 40 A and 63 A contactors |

(1) Without handle (2) With handle