



Dimensions (p. 70)

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

Pack	Cat. No.	Power contactors with 24 V~ coil	Type of contact	Number of modules
1	041 14	2-pole - 250 V~ I max 16 A		N/C + N/O 1
1	041 16	25 A		2 N/O 1
1	041 17	4-pole - 400 V~ 25 A		4 N/O 2

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

Pack	Cat. No.	Low noise power contactors with 230 V~ coil	Type of contact	Number of modules
1	041 49	2-pole - 250 V~ I max 25 A		2 N/O 1

Pack	Cat. No.	Power contactors with 230 V~ coil	Type of contact	Number of modules
4	041 26	2-pole - 250 V~ I max 16 A		N/C + N/O 1
10	041 58	25 A		2 N/O 1

Pack	Cat. No.	Power contactors with 230 V~ coil (continued)	Type of contact	Number of modules
1	041 29	2-pole - 250 V~ I max 25 A		2 N/C 1
5	041 31	4-pole - 400 V~ 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

Pack	Cat. No.	Power contactors with 230 V~ coil and handle	Type of contact	Number of modules
4	041 47	2-pole - 250 V~ I max 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
1	040 69 ⁽¹⁾	3-pole - 400 V~ 40 A		3 N/O 3
1	040 77 ⁽¹⁾	63 A		3 N/C 3
2	041 48	4-pole - 400 V~ 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

power contactors from 16 A to 63 A (continued)

NEW



041 85

041 83

040 85

Pack Cat. No. Signalling auxiliaries for contactors

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

power contactors from 16 A to 63 A

Technical characteristics

- rated impulsive resistant current (Uimp): 4 kV
- mechanical life in cycles of operations: 10⁶ 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 I_q = 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 2 N/C	4 N/O	2 N/O	N/O + N/C 2 N/O 2 N/C	2 N/O + 2 N/C 4 N/O 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	40 and 63 A
Type of contact	2 N/O	4 N/O	2 N/O 2 N/C	3 N/O 4 N/O 4 N/C	3 N/O 4 N/O 4 N/C
Number of modules	2	3	2	3	3
Holding	250 mA	270 mA	15 mA	30 mA	30 mA
Inrush	1750 mA	1500 mA	150 mA	200 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
I _e = 16 A	16 A	14 A	12 A	10 A
I _e = 25 A	25 A	22 A	20 A	18 A
I _e = 40 A	40 A	36 A	32 A	29 A
I _e = 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