

IEC Technical data

AL9 – AL40

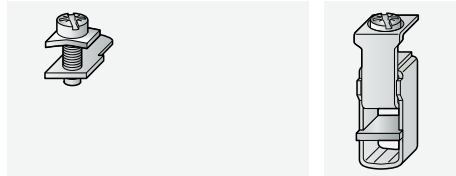
Across the line
1

Connecting Characteristics

Contactor types: **AL**

AL9 AL12 AL16 AL26 AL30 AL40

Main terminals



with cable clamp

with double connector

2 x (5.6 x 6.5 mm)

Connecting capacity (min. ... max.)

Main conductors (poles)

Rigid: solid ($\leq 4 \text{ mm}^2$) stranded ($\geq 6 \text{ mm}^2$)	1 x mm ²	1 ... 4		1.5 ... 6	2.5 ... 16
	2 x mm ²	1 ... 4		1.5 ... 6	2.5 ... 16
Rigid with connector					
single for Cu cable	mm ²	-	-	-	-
single for Al/Cu cable	mm ²	-	-	-	-
double for Al/Cu cable	mm ²	-	-	-	-
Flexible with cable end	1 x mm ²	0.75 ... 2.5		0.75 ... 4	2.5 ... 10
	2 x mm ²	0.75 ... 2.5		0.75 ... 4	2.5 ... 10
Bars or lugs		L mm \leq	8	10	-
		1 mm $>$	3.7	4.2	-

Auxiliary conductors

(built-in auxiliary terminals + coil terminals)

Rigid solid	1 x mm ²	1 ... 4			
	2 x mm ²	1 ... 4			
Flexible with cable end	1 x mm ²	0.75 ... 2.5			
	2 x mm ²	0.75 ... 2.5			
Lugs		L mm \leq	8	① 8	
		1 mm $>$	3.7	① 3.7	

Degree of protection acc. to IEC 60947-1 / EN 60947-1 and IEC 60529 / EN 60529

- Main terminals
- Coil terminals
- Built-in auxiliary terminals

Protection against direct contact acc. to VDE 0106 - Part. 100

- IP 20
- IP 20
- IP 20

Screw terminals

Main terminals

(delivered in open position, screws of unused terminals must be tightened)

(+,-) pozidriv 2 screws

M3.5 M4 M5

Coil terminals

M3.5 (+,-) pozidriv 2 screws with cable clamp

Built-in auxiliary terminals

(+,-) pozidriv 2 screws with cable clamp

M3.5 M4 M5

Tightening torque

Main pole terminals

- recommended Nm / lb.in

1.00 / 9

- max. Nm

1.20 1.7 / 15 2.30 / 20

Coil terminals

- recommended Nm / lb.in

1.00 / 9

- max. Nm

1.20

Built-in auxiliary terminals

- recommended Nm / lb.in

1.00 / 9

- max. Nm

1.20 1.7 / 15 1.00 / 9

Terminal marking and positioning

see pages 1.35

① $L \leq 8$ and $l > 3.7$ for coil terminal - $L \leq 10$ and $l > 4.2$ for built-in auxiliary terminals.

② With LW 110 enlargement piece. See page 1.31.