


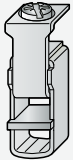
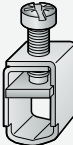
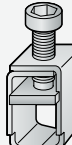













IEC Technical data

A/AE9 – AF/TAE110

Across the line
contactors

1

Connecting Characteristics

Contactor types:	A..., AE...	9	12	16	26	30	40	45	50	63	75	95	110
	AF..., TAE...	-	-	-	-	-	-	45	50	63	75	95	110
Main terminals													
		with cable clamp		with double connector 2 x (5.6 x 6.5 mm)		with single connector (13 x 10 mm)		with single connector (14 x 14 mm)					
Connecting capacity (min. ... max.)													
Main conductors (poles)													
Rigid: solid ($\leq 4 \text{ mm}^2$)		1 ... 4		1.5 ... 6		2.5 ... 16		6 ... 50		10 ... 95			
stranded ($\geq 6 \text{ mm}^2$)		1 ... 4		1.5 ... 6		2.5 ... 16		6 ... 16		6 ... 35			
Rigid with connector													
single for Cu cable													
single for Al/Cu cable													
double for Al/Cu cable													
Flexible with cable end		0.75 ... 2.5		0.75 ... 4		2.5 ... 10		6 ... 35		10 ... 70			
		0.75 ... 2.5		0.75 ... 4		2.5 ... 10		6 ... 25		6 ... 35			
Bars or lugs		8		10		-		-		-		30 ^②	
		3.7		4.2		-		-		-		6	
Auxiliary conductors													
(built-in auxiliary terminals + coil terminals)													
Rigid solid		1 ... 4										0.75 ... 2.5	
		1 ... 4										0.75 ... 2.5	
Flexible with cable end		0.75 ... 2.5						1 ... 2.5				0.75 ... 2.5	
		0.75 ... 2.5											
Lugs		8		① 8									
		3.7		① 3.7									
Degree of protection acc. to IEC 60947-1 / EN 60947-1 and IEC 60529 / EN 60529		Protection against direct contact acc. to VDE 0106 - Part. 100											
- Main terminals		IP 20						IP 10					
- Coil terminals		IP 20											
- Built-in auxiliary terminals		-											
Screw terminals		(delivered in open position, screws of unused terminals must be tightened)											
Main terminals		(+, -) pozidriv 2 screws									hexagon socket M8 (s = 4 mm)		
		M3.5			M4		M5		M6				
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		1.7 / 15		2.30 / 20		4.00 / 35		6.00 / 53			
- max.	Nm	1.20		2.20		2.60		4.50		6.50			
Coil terminals													
- recommended	Nm / lb.in	1.00 / 9											
- max.	Nm	1.20											
Built-in auxiliary terminals													
- recommended	Nm / lb.in	1.00 / 9		1.7 / 15		1.00 / 9		-		-		-	
- max.	Nm	1.20		2.20		1.20		-		-		-	
Terminal marking and positioning		see pages 1.34											

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.