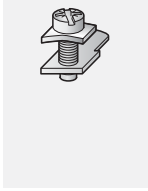
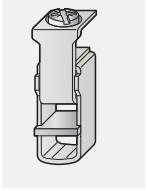
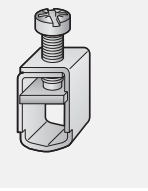
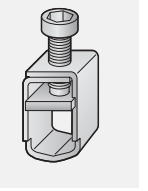

















IEC Technical data

A/AE9 — AF/TAE110

Across the line
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												
stranded ($\geq 6 \text{ mm}^2$)		1 ... 4												
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 ... 2.5												
Bars or lugs		8												
		3.7												
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		IP 20												
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.