

IEC Technical data

A/AF145 – AF750

Connecting Characteristics

Contactor types:	A...	145	185	210	260	300	-	-	-	-
	AF...	145	185	210	260	300	400	460	580	750
Main terminals Flat type										
Connecting capacity (min. ... max.) Main conductors (poles)										
Rigid:	1 x mm ² 2 x mm ²	-	-	-	-	-	-	-	-	-
Rigid with connector single for Cu cable	mm ²	6 ... 185		16 ... 240			240		300	
single for Al/Cu cable	mm ²	25 ... 150		120 ... 240			240		300	
double for Al/Cu cable	mm ²	-		2 x 95 ... 120			2 x 240		3 x 185	
Flexible	1 x mm ² 2 x mm ²	-	-	-	-	-	-	-	-	-
Bars or lugs	L mm ≤ Ø mm >	24 8		32 10			47 / 45 10		52 / 50 12	
Auxiliary conductors (coil terminals)										
Rigid solid	1 x mm ² 2 x mm ²	1 ... 4 1 ... 4								
Flexible with cable end	1 x mm ² 2 x mm ²	0.75 ... 2.5 0.75 ... 2.5								
Lugs	L mm ≤ l mm >	8 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 00								
- Coil terminals		IP 20								
- Built-in auxiliary terminals		-								
Screw terminals		Screws and bolts								
Main terminals		M8	M10	M10	M12					
Coil terminals (delivered in open position)		M3.5 (+,-) pozidriv 2 screws with cable clamp								
Built-in auxiliary terminals		-	-	-	-	-	-	-	-	-
Tightening torque										
Main pole terminals										
- recommended	Nm / lb.in	18 / 160		28 / 240			40 / 354		45 / 443	
- max.	Nm	20		30			44		49	
Coil terminals										
- recommended	Nm / lb.in	1.00 / 9								
- max.	Nm	1.20								
Built-in auxiliary terminals										
- recommended	Nm / lb.in	-	-	-	-	-	-	-	-	-
- max.	Nm	-	-	-	-	-	-	-	-	-
Terminal marking and positioning		see pages 1.36 & 1.37								