

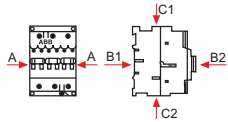
UL/CSA & IEC Technical data

A/AE9 – A/AE/AF/TAE110

Across the line
contactors

1

Contactor types: A..., AE... AF..., TAE...	9	12	16	26	30	40	45	50	63	75	95	110																			
	-	-	-	-	-	-	45	50	63	75	95	110																			
Rated insulation voltage U_i according to IEC 60947-4-1							1000																								
according to UL/CSA							600																								
Rated impulse withstand voltage U_{imp}							8																								
Standards	Devices complying with international standards IEC 60947-1 / 60947-4-1 and European standards EN 60947-1 / 60947-4-1																														
Air temperature close to contactor – fitted with thermal O/L relay	°C	see "Conditions for use" page 1.50, for control voltage limits and authorized mounting positions																													
– without thermal O/L relay	°C	-25 to +55																													
– for storage	°C	-40 to +70 (55 max. for TAE... contactors)										-40 to +70																			
		-60 to +80																													
Climatic withstand 30		acc. to IEC 60068-2-30 and 60068-2-11 - UTE C 63-100 specification II										acc. to IEC 68-2-																			
Operating altitude	m	≤ 3000																													
Shock withstand acc. IEC 60068-2-27 and EN 60068-2-27 Mounting position 1 (see page 1.50)		<p>1/2 sinusoidal shock for 11 ms: no change in contact position</p> <table border="1"> <thead> <tr> <th>Shock direction</th> <th>Making position</th> <th>Breaking position</th> </tr> </thead> <tbody> <tr> <td>A</td> <td>20 g</td> <td>20 g</td> </tr> <tr> <td>B1</td> <td>10 g</td> <td>5 g ^①</td> </tr> <tr> <td>B2</td> <td>15 g ^②</td> <td>15 g ^②</td> </tr> <tr> <td>C1</td> <td>20 g</td> <td>20 g</td> </tr> <tr> <td>C2</td> <td>20 g</td> <td>20 g</td> </tr> </tbody> </table>											Shock direction	Making position	Breaking position	A	20 g	20 g	B1	10 g	5 g ^①	B2	15 g ^②	15 g ^②	C1	20 g	20 g	C2	20 g	20 g	Not valid for DIN-rail mounting
Shock direction	Making position	Breaking position																													
A	20 g	20 g																													
B1	10 g	5 g ^①																													
B2	15 g ^②	15 g ^②																													
C1	20 g	20 g																													
C2	20 g	20 g																													



① 3 g for AF 45-22, AE 45-22, AF 75-22 and AE 75-22.
② 10 g for AF 45-22, AE 45-22, AF 75-22 and AE 75-22.