

AF45 ... AF75 4-pole contactors

70 to 125 A AC-1

DC operated - connection with standard ferrules

2



AF75-40-00

Description

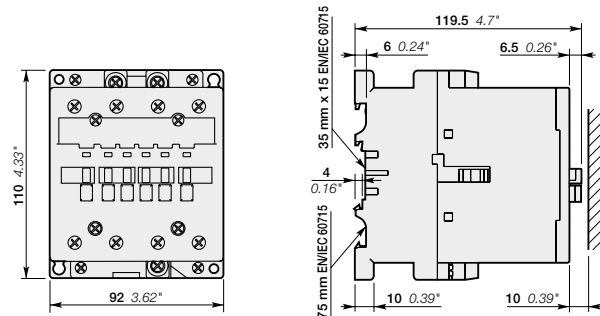
- AF45 ... AF75 4-pole contactors comply with the latest railway rolling stock standards and allow installation in passengers or driver cabins for trains frequently operating tunnels or undergrounds. They are mainly used for controlling non-inductive or slightly inductive loads and generally for controlling power circuits up to 690 V AC and up to 220 V DC. These contactors are of the block type design with 4 main poles.
- designed in accordance to the applicable parts of IEC 60077 and EN 50155 standard
 - shocks and vibration withstand conforming to IEC 61373 (category 1, class B)
 - fire and smoke safety compliance to european standard EN 45545 (HL2, HL3 hazard levels)
 - electronic coil interface accepting a wide DC control voltage range (0.85 Uc min. ... 1.1 Uc max. according to IEC 60947-4-1) including several Uc control voltages (0.7 ... 1.25 Uc according to IEC 60077) used for battery supply
 - built-in surge suppression
 - side by side mounting without restriction from -40 °C up to +70 °C
 - add-on auxiliary contact blocks for front and side mounting and a wide range of accessories.

Ordering details

IEC	UL / CSA	Supply control voltage Uc (IEC 60077) (1)	Rated control circuit voltage Uc min. ... Uc max. (IEC 60947-4-1)	Auxiliary contacts fitted	Type	Order code		Weight
Rated operational current $I_n \leq 40\text{ °C}$ AC-1	General use rating 600 V AC							Pkg (1 pce)
A	A	V DC	V DC					kg
4 N.O. main poles								
70	80	24, 33, 48	20...60	0 0	AF45-40-00	1SBL337201R7200 (2)		1.42
		72, 96, 110	48...130	0 0	AF45-40-00	1SBL337201R6900		1.42
		220	100...250	0 0	AF45-40-00	1SBL337201R7000		1.42
100	80	24, 33, 48	20...60	0 0	AF50-40-00	1SBL357201R7200 (2)		1.42
		72, 96, 110	48...130	0 0	AF50-40-00	1SBL357201R6900		1.42
		220	100...250	0 0	AF50-40-00	1SBL357201R7000		1.42
125	105	24, 33, 48	20...60	0 0	AF75-40-00	1SBL417201R7200 (2)		1.42
		72, 96, 110	48...130	0 0	AF75-40-00	1SBL417201R6900		1.42
		220	100...250	0 0	AF75-40-00	1SBL417201R7000		1.42
2 N.O. + 2 N.C. main poles								
70	80	24, 33, 48	20...60	0 0	AF45-22-00	1SBL337501R7200 (2)		1.42
		72, 96, 110	48...130	0 0	AF45-22-00	1SBL337501R6900		1.42
		220	100...250	0 0	AF45-22-00	1SBL337501R7000		1.42
125	105	24, 33, 48	20...60	0 0	AF75-22-00	1SBL417501R7200 (2)		1.42
		72, 96, 110	48...130	0 0	AF75-22-00	1SBL417501R6900		1.42
		220	100...250	0 0	AF75-22-00	1SBL417501R7000		1.42

(1) Other control voltages, see voltage code table.
 (2) The connection polarities indicated close to the coil terminals must be respected: A1 for the positive pole and A2 for the negative pole.

Main dimensions mm, inches



AF45, AF50, AF75