

TYPE	FB01 A...	FB01 B...	FB02 A...	FB03 A...	FB01 C...	FB01 D...	
Range	AC					Class CC (AC)	DC
IEC maximum rated current I_n	32A		50A	125A [Ⓜ]	30A	32A	
IEC maximum rated voltage U_n	690VAC; 400VAC [Ⓛ]	690VAC			600VAC	1000VDC	
IEC utilisation category	AC22B 500V; AC21B 690V; AC22B 400V [Ⓛ]			AC21B 690V	AC22B 500V; AC21B 690V	DC20B 1000VDC	
Maximum power dissipation	3W		5W	9.5W	3W	4W	
Derating factor of current I_n for different ambient temperatures	20°C	1					
	30°C	0.95					
	40°C	0.9					
	50°C	0.8					
	60°C	0.7					
	70°C	0.5					
Derating factor of current I_n for side-by-side fuse holders - number of poles	1-4	1					
	5-6	0.8					
	7-9	0.7					
	≥10	0.6					
Voltage for status indicator	120...690VAC		230...690VAC		120...600VAC	350...1000VDC	

CONNECTIONS

Maximum tightening torque	2.5Nm; 2Nm [Ⓛ] / 22lbin	3Nm / 26lbin	4Nm / 35lbin	2.5Nm / 22lbin		
Maximum conductor cross section	flexible/stranded	1x16mm ² ; 1-16mm ² [Ⓛ] / 8AWG	1x25mm ² / 6AWG	1x35mm ² / 2AWG	1x16mm ² / 8AWG	1x16mm ² / 6AWG
	rigid/solid	1x25mm ² ; 1-10mm ² [Ⓛ] / 8AWG	1x35mm ² / 8AWG	1x50mm ² / 1AWG	1x25mm ² / 10AWG	1x25mm ² / 4AWG

AMBIENT CONDITIONS

Operating temperature	-20...+70°C
Storage temperature	-40...+80°C
Maximum altitude	3,000m
Operation position	Any
Fixing	On 35mm DIN rail (IEC/EN 60715)

[Ⓛ] Values valid only for FB01 A 1M type.

[Ⓜ] Use with gG/aM class 125A fuses, not dissipating more than 12W power.

TECHNICAL CHARACTERISTICS FOR FE01 D... FUSES

TYPE	Rated current [A]	Power consumption at 0.7 I_n [W]	Power consumption at I_n [W]	Prearcing I^2t [A ² s]	Total I^2t at 1000VDC [A ² s]
FE01 D 00200	2	0.78	1.45	0.62	1
FE01 D 00400	4	0.64	1.57	6.9	11
FE01 D 00600	6	0.76	1.84	24	38
FE01 D 00800	8	0.8	1.92	62	99
FE01 D 01000	10	0.94	2.2	10	48
FE01 D 01200	12	0.98	2.4	18	94
FE01 D 01600	16	1.1	2.7	46	110
FE01 D 02000	20	1.2	2.9	118	282

TIME-CURRENT CHARACTERISTICS FOR FE01 D... FUSES

