



Eaton 10 x 32 mm fuses provide reliable overcurrent protection in power dense applications



Eaton's EAC10 and EDC10 offer multiple termination options to suit a wide range of application needs, including PCB through-hole and bolt-down screw assemblies.

Product description

Eaton Bussmann series EAC10 and EDC10 are high power density cartridge fuses with nominal current ratings from 40 A to 63 A and high voltage ratings of up to 500 V. Both families provide highly reliable overcurrent protection in high-voltage, high-current applications. Eaton's EAC10 and EDC10 offer multiple termination options to suit a wide range of application needs, including cartridge, PCB mount through-hole, and bolt-down assemblies. Applications for EAC10 and EDC10 fuses include Onboard chargers (OBC), power distribution units (PDU), Uninterruptible power supplies (UPS), 3-phase EV supply equipment (EVSE) / charging infrastructure, motor protection, input protection in rectifiers, and output protection in inverters.

Features and benefits

- Ultra-compact footprint
- Cost-effective and reliable fusible solution
- High current ratings: up to 63 A
- High voltage ratings: up to 500 V
- Multiple terminations styles with cartridge, bolt down, and PCB mount
- Suitable for on-board applications (through-hole and bolt-down)



Powering Business Worldwide

Electrical characteristics

EAC10

Amp Rating	1.0 In minimum	2.0 In maximum
40 A to 63 A	4 hours	120 seconds

EDC10

Amp Rating	1.0 In minimum	3.5 In maximum
30 A to 60 A	4 hours	10 seconds

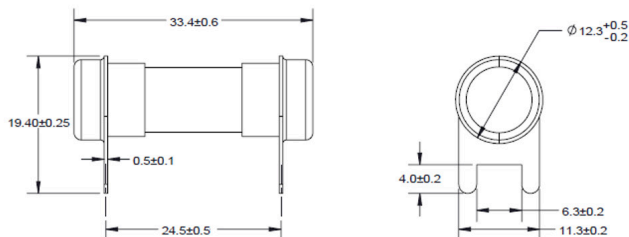
Product specifications

Part number	Current rating (A)	Voltage rating	(V _{DC})	Interrupting rating @ rated voltage	(V _{DC})	Typical DCR (mΩ)
		(V _{AC})		(V _{AC})		
EAC10						
EAC10-40	40	500 250	-	2000 10,000	-	1.71
EAC10-50	50	500 250	-	2000 10,000	-	1.33
EAC10-63	63	500 250	-	2000 10,000	-	1.05
EDC10						
EDC10-30	30	500 420	500	3000 10,000	10,000	3.0
EDC10-40	40	500 420	500	3000 10,000	10,000	2.2
EDC10-50	50	500 420	500	3000 10,000	10,000	1.6
EDC10-60	60	500 420	500	3000 6000	10,000	1.3

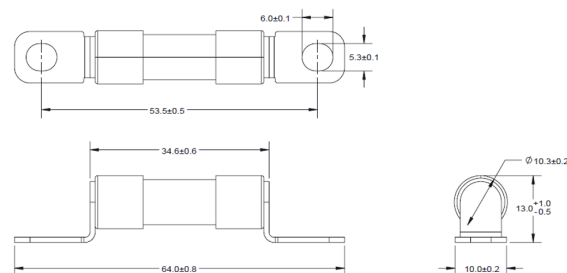
Dimensions- mm

Drawing not to scale

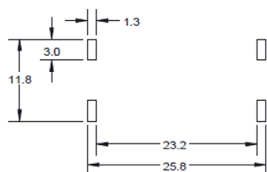
PCB terminal version



Bolt version



PCB layout



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