

BC Series Terminal Blocks

for Power and Signal
Distribution in Hazardous Areas



- Feedthrough and disconnect terminals and a fuse holder*
- Combifoot for mounting on 15mm, 32mm and 35mm DIN rails
- Accepts Weidmuller Multicard marking tags
- Complete offering of accessories

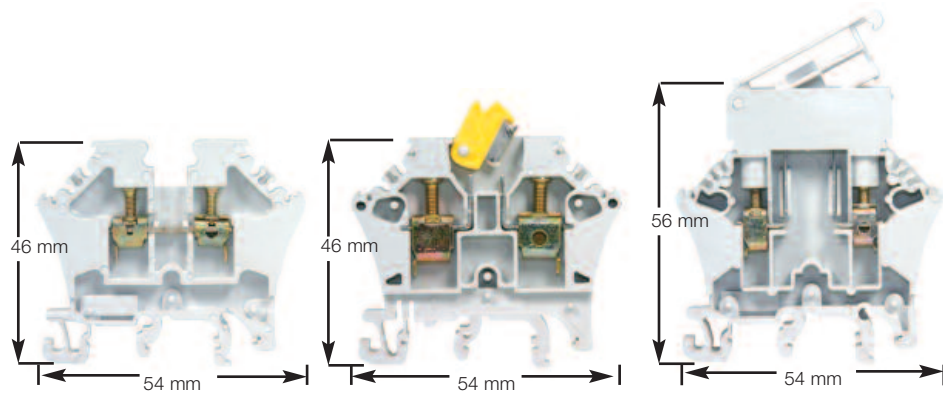
Emphatec has partnered with Unibloc to offer a small selection of terminal blocks. These are intended as accessories to Emphatec's DC power supplies but are also suited for general purpose use as well as Class 1 Division 2 applications. The BC2.5/4 is a 5mm wide feedthrough terminal while the BC4S is a 6mm wide lever disconnect terminal. The BC5F is a 5x20mm fuse holder* and is 8mm wide. All three terminals accept Weidmuller's

Dekafix and Multicard marking tags. Accessories such as partitions and jumper combs are available. The combifoot design allows a single terminal to be used on any of the commonly available DIN rails – 15mm, 32mm, 35x7.5mm and 35x15mm.

For Class 1 Division 2 applications the terminals have been tested for temperature rise and pull-out. The pull-out tests are not only for the wire

terminations but are also performed on the fuse lever. The lever must withstand a force of 15N to ensure it cannot be accidentally operated while under load and cause an arc. Generally only screw-in style fuse terminals would meet this requirement but the BC5F passes easily.

SPECIFICATIONS



	BC2.5/4 Feedthrough	BC4S Disconnect	BC5F Fuse Holder
Catalog Number (standard package quantity)			
Grey	330016 (100)	330018 (100)	330017 (50)
Red	330087 (100)	330090 (100)	330085* (50)
Black	330086 (100)		
Dimensions			
Width† mm	5	6	8
Length mm	54	54	54
Height on 32mm rail mm	52.7	52.7	62.7
Height on 35x7.5mm rail mm	47.8	47.8	57.8
Height on 35x15mm rail mm	55.3	55.3	65.3
Height on 15mm rail mm	46.5	46.5	56.5
Terminations			
Wire size AWG / mm ²	20-12 / 0.5-4	20-10 / 0.5-6	20-8 / 0.5-10
Stripping length mm	10	12	6
Tightening torque Nm / in-lb	0.4 / 4	0.6 / 5	0.4 / 3.5
Ratings			
Voltage V	600	300	300
Current A	20	10	10
	CSA C22.2 No. 39-M1987 - Fuseholder Assemblies CSA C22.2 No. 158-1987 - Terminal Blocks CSA C22.2 No. 213-M1987 - Non-Incendive Electrical Equipment for Class 1 Division 2 Hazardous Locations		
Materials			
Housing	BASF Ultramid or LATI Latamid		
Flammability	UL94 – V0 (grey versions)		
Screws / clamps	Steel, yellow chromate plated		
Current bar	Tin plated copper		
Disconnect	N/A	Tin plated copper	N/A
Disconnect / fuse clips	N/A	Tin plated brass	
Accessories (standard package quantity)			
Endplate, 1.6mm with grey	330019 (20)		
Insulated jumper comb -	Consult factory	2 pole: 330028 (10) 3 pole: 330029 (10) 5 pole: 330030 (10) 10 pole: 330031 (10)	2 pole: 330024 (10) 3 pole: 330025 (10) 5 pole: 330026 (10) 10 pole: 330027 (10)
Cross-connection (top mounted)	2 pole: 330020 (10) 3 pole: 330021 (10) 5 pole: 330022 (10) 10 pole: 330023 (10)	N/A	
End Bracket- 32mm rail	Consult factory		
End bracket – 35mm rail	330089 (20)		
Marking tags	Consult factory		

Ground (PE) Terminal:
6.5mm wide, 54mm length, 55.3mm height on 35mm DIN rail
20-10AWG, 0.6Nm / 5 in-lb torque
Standard pack quantity: 50
Catalog number: 330084

* Only lever is red, body is grey.
† Tolerance of width is +0.1mm, -0mm