Class CC and supplemental modular ferrule fuse blocks

RoHS

Description:

BCM (Class CC) and BMM (supplemental 13/32 x 1-1/2″ /10x38) modular style fuse blocks with optional covers.

These Bussmann series fuse blocks contain multiple features to add versatility, reduce labor and enhance safety of any panel design.

Specifications

Ratings:

- Volts 600 Vac/dc
- Amps up to 30A
- SCCR up to 200kA (limited by fuse interrupting rating)

Agency information:

- Class CC BCM Series
  - UL Listed File E14853, Guide IZLT
  - CSA Certified 47235-6225-01
  - CE
  - RoHS Compliant
- 13/32″ x 1-1/2″ (Midget) BMM Series
  - UL Recognized File E14853, Guide IZLT2
  - CSA Certified 47235-6225-01
  - CE
  - RoHS Compliant

- Covers
  - Covers are included in the overall UL Listing/Recognition and CSA Certification
  - IP20 finger-safe
  - RoHS Compliant

Poles:

- 1-, 2-, 3-pole units factory assembled
- Single-pole units snap together to create desired number of poles

Flammability ratings:

- Blocks — UL 94V0, self-extinguishing
- Covers — UL 94HB, self-extinguishing

Features and benefits:

- Available in 1-, 2- and 3-pole configurations to meet stocking requirements.
- Blocks are fully modular with a snap-together design that provides tool-less assembly of multiple pole blocks at point-of-use to reduce inventory and save assembly time and labor.
- DIN-Rail and panel mount versatility allows one product to be used for multiple applications, lowering inventory cost.
- Compact footprint consumes minimal panel space.
- Optional see-through cover enhances safety with IP20 finger-safe protection, lockout/tagout capability and open circuit indication.
- Easy circuit identification with available universal marker labels for fuse block covers.
- Tin-plated bimetallic copper fuse clips deliver superior fatigue resistance compared to traditional spring brass.
- Terminal options to meet application needs including 1/4″ spade quick connect terminals for faster panel assembly.

Operating and storage temperature range:

- Blocks -40°C to +120°C
- Non indicating covers -40°C to +120°C
- Indicating covers -20°C to +90°C*

* Indication requires minimum 90Vac/dc and closed circuit to illuminate.

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Materials:

- Base — Thermoplastic
- Terminals — Tin-plated bimetallic copper
- Covers — Thermoplastic
- Screws and pressure plates — Zinc-plated steel

Cover catalog numbers:

- For blocks with quick connect terminals — CVR(I)-CCM-QC
- All other terminal options — CVR(I)-CCM

Recommended Bussmann series fuses:

- Class CC
  - Ultimate protection time-delay Low-Peak LP-CC, data sheet No. 1023
  - Advanced protection time-delay Limitron FNQ-R, data sheet No. 1014
  - Advanced protection fast-acting Limitron KTK-R, data sheet No. 1015
- 13/32″ x 1-1/2″ (midget)
  - Fast-acting 250Vac BAF, data sheet No. 2011
  - Fast-acting 600Vac KTK, data sheet No. 1011
  - Fast-acting 600Vac/dc KLM, data sheet No. 2020
  - Time-delay 250Vac FNM, data sheet No. 2028
  - Time-delay 500Vac FNQ, data sheet No. 1012
- 10x38mm (IEC)
  - Class aM and gG/gL IEC industrial fuses, data sheet No. 720115

Recommended Bussmann series DIN-Rail end stops:

- Cat. no. BRKT-ND
- Cat. no. BRKT-NDSCREW2

Table 3. Catalog numbers

#10-32 Phil-slot screw	Screw with quick connect*	Pressure plate	Pressure plate with quick connect*	Box lug	Poles	Fuse class
BCM603-1S	BCM603-1SQ	BCM603-1P	BCM603-1PQ	BCM603-1C	1	CC
BCM603-2S	BCM603-2SQ	BCM603-2P	BCM603-2PQ	BCM603-2C	2	CC
BCM603-3S	BCM603-3SQ	BCM603-3P	BCM603-3PQ	BCM603-3C	3	CC
—	BMM603-1SQ	—	BMM603-1PQ	BMM603-1C	1	10x38 (13/32″x1-1/2″)
—	BMM603-2SQ	—	BMM603-2PQ	BMM603-2C	2	10x38 (13/32″x1-1/2″)
—	BMM603-3SQ	—	BMM603-3PQ	BMM603-3C	3	10x38 (13/32″x1-1/2″)
—	BCCMM603-3SQ	—	BCCMM603-3PQ	—	3	3-Pole control circuit transformer block 2-pole CC with 1-pole 10x38 (13/32″x1-½″)

The top of the table spans "Terminal type" across the first five columns.

* ¼″ Quick Connect terminal maximum ampacity dependent on female spade connector and wire ratings.

Table 1. Terminal specifications

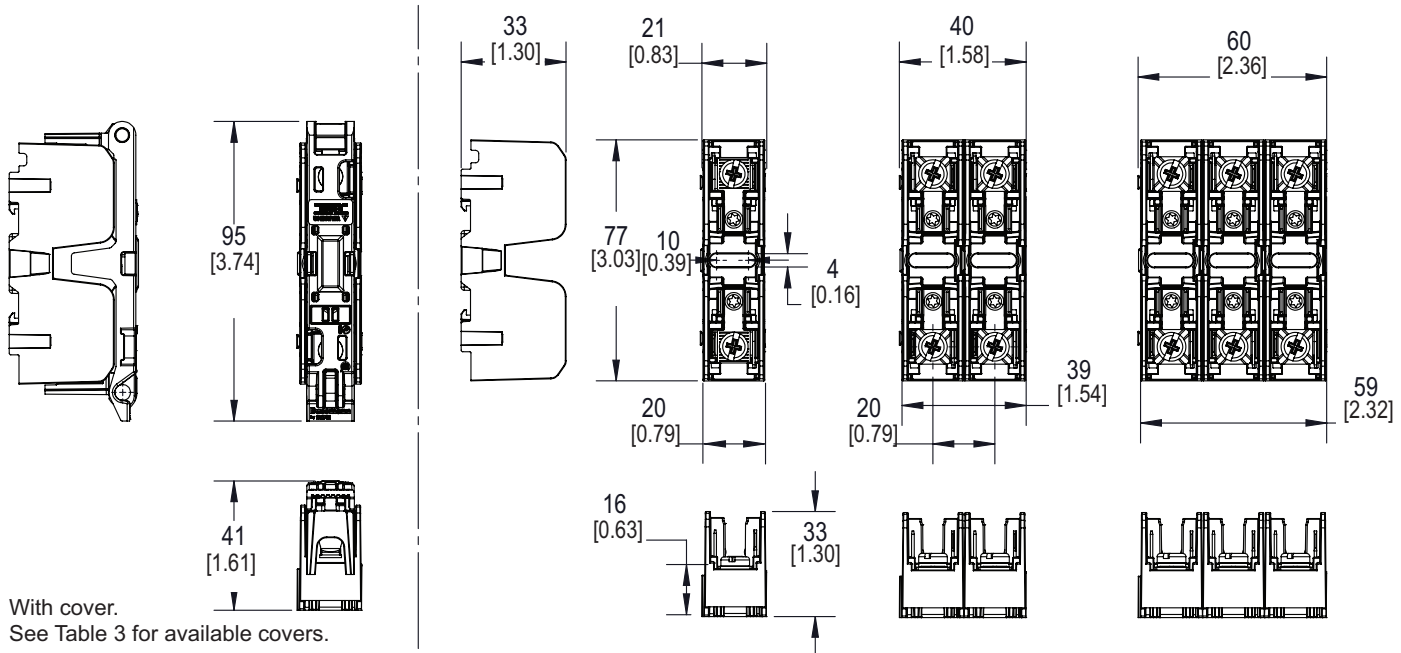| Terminal type	75/90°C AWG type/range	Torque AWG	Torque lb-in (N•m)
Box lug (C)	CU 2-14 AL 2-8	CU 2-3	50 (5.6)
		CU 4-6	45 (5.1)
		CU 8-14	35 (4.0)
		AL 2-6	50 (5.6)
		AL 8	40 (4.5)
Screw (S)	CU 10-18	10-18	20 (2.3)
Screw/quick connect* (SQ)			
Pressure plate (P)			
Pressure plate/ quick connect* (PQ)			

* ¼″ Quick Connect terminal maximum ampacity dependent on female spade connector and wire ratings.

Table 2. Recommended covers*

Terminal type	Cover catalog numbers Indicating	Cover catalog numbers Non indicating
Box lug (C)	CVRI-CCM	CVR-CCM
Screw (S)	CVRI-CCM	CVR-CCM
Screw/quick connect (SQ)	CVRI-CCM-QC	CVR-CCM-QC
Pressure plate (P)	CVRI-CCM	CVR-CCM
Pressure plate/quick connect (PQ)	CVRI-CCM-QC	CVR-CCM-QC

* For use with 4AWG max conductors.

Dimensions - mm (in)

95 [3.74]

41 [1.61]

With cover.
See Table 3 for available covers.

33 [1.30]

21 [0.83]

77 [3.03] **10** [0.39] **4** [0.16]

20 [0.79]

16 [0.63] **33** [1.30]

40 [1.58]

20 [0.79] **39** [1.54]

60 [2.36]

59 [2.32]

For Eaton's Bussmann series product information,
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