

1000Vdc modular ferrule fuse blocks for photovoltaic applications

BUSSMANN
SERIES

Modular PV fuse blocks simplify design and installation while reducing footprint



New snap-together, modular photovoltaic ferrule fuse blocks speed up installation, increase flexibility and enhance safety.

Product description:

Eaton's Bussmann® series ferrule fuse blocks feature a modular, low profile design that allows assembly of the required poles at point of use.

The industry-first open style PV fuse blocks are available for 10x38mm (13/32" x 1-1/2") photovoltaic fuses. They are available in 1-, 2- and 3-pole configurations and feature a compact footprint, consuming minimal panel space.

Additionally, their low temperature rise makes them ideal for installation in high ambient environments.

Features and benefits:

- Listed to UL 4248-18 for photovoltaic applications.
- Modular, snap-together design provides tool-less assembly of multiple pole blocks to save inventory and reduce assembly time.
- DIN-Rail and panel mount versatility allows one product to be used for multiple applications and lowers inventory cost.
- 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.

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Specifications

Ratings:

- Volts 1000Vdc
- Amps up to 30A
- Withstand 33kA

Agency information:

- UL Listed E348242-IZMR
- CSA Component Acceptance 47235-6225-01
- RoHS compliant

Flammability ratings:

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

Materials:

- Base — Thermoplastic
- Terminals — Tin-plated bimetallic copper
- Covers — Thermoplastic

RoHS

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

Wire:

- Box lug terminal — CU/AL, 75/90°C
- All other terminals — CU, 75/90°C

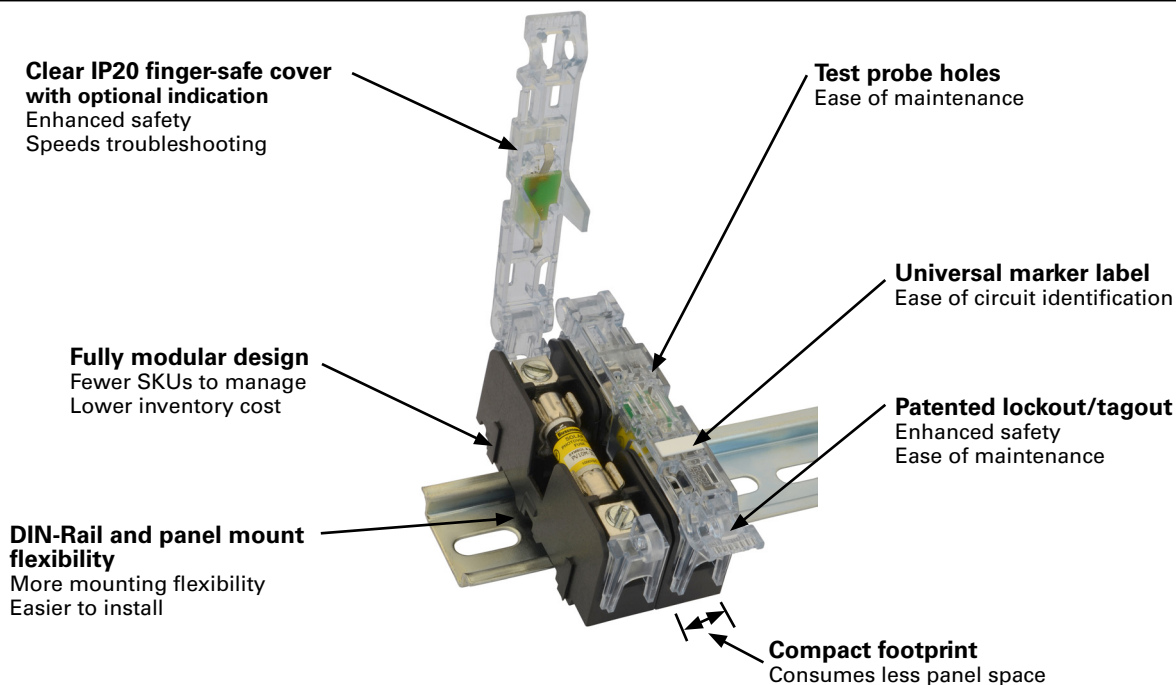


Table 1. Terminal specifications

Terminal type	Wire range	Wire temp rating	AWG	Torque lb-in (N·m)
Box lug ("CR" Option)	CU 2-14, AL 2-8	75/90°C	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	75/90°C	10-18	20 (2.3)

Table 2. Recommended covers

Cover part numbers	
Indicating	Non indicating
CVRI-CCM	CVR-CCM

Table 3. Catalog numbers

Terminal type			
#10-32 Phil-slot screw	Box lug	Poles	Fuse class
BPVM-1S	BPVM-1C	1	10x38 (13/32" x 1-1/2") gPV and PV
BPVM-2S	BPVM-2C	2	10x38 (13/32" x 1-1/2") gPV and PV

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