

PVS-R Class RK5 photovoltaic fuses



Proven protection for your PV system investment



Bussmann series PVS-R fuses clear faults 4X faster than any other Class R fuse.

Product description:

Eaton's Bussmann® series PVS-R fuses are UL® 2579 Listed for photovoltaic (PV) applications. They are specifically designed to protect PV systems in extreme ambient temperatures, high cycling and low level fault current conditions.

PVS-R fuses are Class RK5 fuses and are available in a range of 20-400 amps, all rated at 600Vac/dc.

Eaton is committed to developing products that offer superior protection for PV installations.

Bussmann series PVS-R fuses are just one of many innovative products that can be applied in many areas, and offer operators, integrators and contractors the best protection available.

Features and benefits:

- Listed to UL 2579 – the industry's only Class R photovoltaic fuse.
- Specially designed to protect in lower-level overload regions where common time-delay fuses do not.
- Demonstrated performance in extreme temperatures, ranging from -40°C to 90°C.
- Proven application in constantly changing PV environmental conditions.
- Easily applied in readily available Class R fuse blocks and disconnects.

Complementary products:



Standard fuse blocks



DC safety switches

Specifications

Ratings

- Volts
 - 600Vac to UL 248-12
 - 600Vdc to UL 2579
- Amps
 - 20-350A
- Interrupting rating
 - 200kA RMS sym, AC
 - 20kA DC (20-60A)
 - 10kA DC (70-400A)

Agency information

UL Std. 248-12, Class RK5, UL Listed, Guide JFGA, File E335324, Photovoltaic to UL 2579. CSA® component certified C22.2.

Benefits

- Maximize uptime and reliability using the only fuse designed and listed to UL 2579: low voltage fuses – fuses for photovoltaic systems.
- Minimize chances of equipment failure and personnel injury when using full range fuses having the industry's fastest response time to low-magnitude faults.
- Maximize return on investment with fuses proven to withstand harsh temperatures.
- Minimize design time, operating outage time and replacement costs with fuses qualified in excessively changing environmental conditions.
- Simplify compatibility with readily available industry standard Class R fuse blocks and disconnects.

Catalog numbers (amps)

PVS-R-20	PVS-R-40	PVS-R-80	PVS-R-150	PVS-R-250
PVS-R-25	PVS-R-50	PVS-R-90	PVS-R-175	PVS-R-300
PVS-R-30	PVS-R-60	PVS-R-100	PVS-R-200	PVS-R-350
PVS-R-35	PVS-R-70	PVS-R-125	PVS-R-225	PVS-R-400

Installation

Fits standard Class R blocks and disconnects (combiner boxes, recombiner boxes, DC safety switches).

Performance characteristics

- Temperature derating
 - Designed to maximize rated capacity in elevated environmental temperatures
- Overload protection
 - Proven to clear faults faster than the UL requirement
- Power loss
 - Minimal energy consumption leading to increased efficiency

Catalog number	Amp rating	Power loss (watts)*	
		0.8xI _n	1.0xI _n
PVS-R-30	30A	2.3	4.0
PVS-R-60	60A	5.0	8.8
PVS-R-100	100A	7.6	13.6
PVS-R-200	200A	19.7	28.5
PVS-R-350	350A	24.6	43.5

*I_n = Rated current

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