

Electrical Data for I-Line II Busway

<b>Standards:</b>	UL857 (File Number E22182); CSA C22.2 No. 27-1994 (File Number LL-61778); IEC 61439-6
<b>Systems:</b>	AC-3Ø3W, 3Ø4W, 1Ø2W, 1Ø3W. DC-2-pole. All neutrals are 100% capacity.
<b>Voltage:</b>	600 volts AC/DC, 50 Hz and 60 Hz
<b>Integral Ground:</b>	50% capacity as standard for 800 A to 5000 A, as an option on 225 A to 600 A
<b>Enclosure:</b>	Indoor, indoor drip resistant, indoor splash resistant (IP54), and outdoor (indoor drip resistant, indoor splash resistant (IP54), and outdoor are available in I-Line II [800-5000 A] busway only)

Table 12.21: Short Circuit Ratings: UL 3 Cycle Test (KA, RMS Symmetrical)<sup>[7]</sup>

Ampere Rating	Aluminum				Copper			
	AOF2 AF2	AOFH AFH2	AP AP2/AR2	APH APH2/ARH2	COF2 CF2	COFH CFH2	CP CP2/CR2	CPH CPH2/CRH2
225	—	—	22	—	—	—	22	—
400	—	—	22	42	—	—	22	42
600	—	—	22	42	—	—	22	42
800	50	85	50	75	50	85	50	75
1000	50	100	50	100	50	85	50	75
1200	50	100	50	100	50	100	50	100
1350	50	100	50	100	50	100	50	100
1600	50	100	50	100	50	100	50	100
2000	100	150	125	150	50	100	65	100
2500	100	150	125	150	100	150	125	150
3000	100	150	125	150	100	150	125	150
3200	—	—	—	—	100	150	125	150
4000	150	200	200	200	150	200	200	200
5000	—	—	—	—	150	200	200	200

Fusible Plug-In Units, Class R Fuse Kits, and Hooksticks

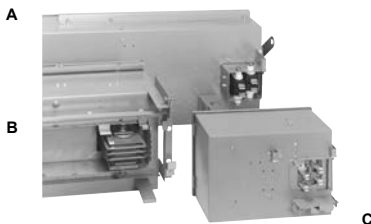
Table 12.22: Fusible Plug-In Units<sup>[8]</sup>

Ampere Rating	Type of Connection	240 Vac 3-Pole, 3 Fuse + G	120/208 Vac, (240 Vac Max.) 4-Pole, 3 Fuse + G	600 Vac 3-Pole, 3 Fuse + G	277/480 Vac, (600 Vac Max.) 4-Pole, 3 Fuse + G
		Catalog No.	Catalog No.	Catalog No.	Catalog No.
30	Plug-in	PQ3203G	PQ4203G	PQ3603G	PQ4603G
60		PQ3206G	PQ4206G	PQ3606G	PQ4606G
100		PQ3210G	PQ4210G	PQ3610G	PQ4610G
200		PQ3220G	PQ4220G	PQ3620G	PQ4620G
200 <sup>[9]</sup>		PS3220G <sup>[9]</sup>	PS4220G <sup>[9]</sup>	PS3620G <sup>[9]</sup>	PS4620G <sup>[9]</sup>
400		PBQ3640G <sup>[10]</sup>	PBQ4640G <sup>[10]</sup>	PBQ3640G <sup>[10]</sup>	PBQ4640G <sup>[10]</sup>
600		PBQ3660G <sup>[10]</sup>	PBQ4660G <sup>[10]</sup>	PBQ3660G <sup>[10]</sup>	PBQ4660G <sup>[10]</sup>
800	Bolt-on	—	—	PTQ36080G ( ) <sup>[11]</sup>	PTQ46080G ( ) <sup>[11]</sup>
1000		—	—	PTQ36100G ( ) <sup>[11]</sup>	PTQ46100G ( ) <sup>[11]</sup>
1200		—	—	PTQ36120G ( ) <sup>[11]</sup>	PTQ46120G ( ) <sup>[11]</sup>

**Class J Fuses** – Provisions for installing Class J fuses are included in 30 through 600 A fusible devices. Conversion to Class J fuse spacing requires relocating the load side fuse base assembly from standard Class H fuse location to an alternate position in the enclosure.



"Hook-Swing" Mounting



A – High Ampere Plug-In Connection  
B – High Ampere Bolt-On Connection  
C – Low Ampere Plug-In Connection

There are three different types of plug-in connections:

- High Ampere Bolt-On Connection (catalog numbers that begin with "PT")—bolted "joint pack" type connection
  - Used on I-Line/I-Line II busway amperages 800 A aluminum and greater.
  - Used on I-Line/I-Line II busway amperages 1000 A copper and greater.
- High Ampere Plug-In Connection (catalog numbers that begin with "PB")—individual bolted jaws for connections
- Low Ampere Plug-In Connection (catalog numbers that begin with "P," except for "PB" and "PT")—spring pressure jaws for connection

Table 12.23: Class R Fuse Kits<sup>[12]</sup>

Switch Size (A)	Voltage Rating	Kit <sup>[12]</sup> Catalog No.
30	250 V <sup>[13]</sup>	QMB30R
	600 V <sup>[13]</sup>	QMB36R
60	250 V <sup>[13]</sup>	QMB36R
	600 V <sup>[13]</sup>	QMB60R
100 200	All	HRK1020
400 600	All	QMB4060R

**Class R Fuse Kits** when installed reject all but class R fuses.

<sup>[7]</sup> 6-cycle and 30-cycle, and fuse/circuit breaker series connected ratings are available. Please reference 5600CT9101.

<sup>[8]</sup> For IP54 splash resistant construction, add an "M54" suffix.

<sup>[9]</sup> For use on vertical riser applications only.

<sup>[10]</sup> For vertical riser applications, order auxiliary mounting kit—Catalog Number PBQ4060RMK.

<sup>[11]</sup> This device uses bolt-on connection. It may be used only on plug-in busway with same number of poles. To complete the catalog number, replace the blank with an "H" for the plug-in unit to be mounted on horizontally-oriented busway and "V" for the plug-in unit to be mounted on vertically-oriented busway. Not for use on 800 A copper busway.

<sup>[12]</sup> Kit must be field installed.

<sup>[13]</sup> Contains parts to convert two units.