

Choice of Line Fuse

When you choose the caliber of the line fuse, consider:

- current characteristic (I^2t)

The choice of minimum fuse caliber is made according to the following rules:

- IN fuse caliber greater than 3 times the power supply nominal input current I_{rms}
- fuse current characteristic I^2t greater than 3 times the power supply characteristic I^2t

The following table shows the characteristics of each power supply module:

Power Supply Module		BMX CPS 2000	BMX CPS 3500	BMX CPS 3540T	BMX CPS 2010	BMX CPS 3020
Nominal input current I_{rms}	at 24 Vdc	-	-	-	1 A	1.65 A
	at 48 Vdc	-	-	-	-	0.83 A
	at 115 Vac	0.61 A	1.04 A	-	-	-
	at 125 Vdc	-	-	0.36 A	-	-
	at 230 Vac	0.31 A	0.52 A	-	-	-
Signaling current $I^{(1)}$	at 24 Vdc	-	-	-	30 A	30 A
	at 48 Vdc	-	-	-	-	60 A
	at 115 Vac	30 A	30 A	-	-	-
	at 125 Vdc	-	-	30 A	-	-
	at 230 Vac	60 A	60 A	-	-	-
Current characteristic $I t$	at 24 Vdc	-	-	-	0.15 As	0.2 As
	at 48 Vdc	-	-	-	-	0.3 As
	at 115 Vac	0.03 As	0.05 As	-	-	-
	at 125 Vdc	-	-	0.05 As	-	-
	at 230 Vac	0.06 As	0.07 As	-	-	-
Current characteristic I^2t	at 24 Vdc	-	-	-	0.6 A ² s	1 A ² s
	at 48 Vdc	-	-	-	-	3 A ² s
	at 115 Vac	0.5 A ² s	1 A ² s	-	-	-
	at 125 Vdc	-	-	2 A ² s	-	-
	at 230 Vac	2 A ² s	3 A ² s	-	-	-
1. Values at initial power-up and at 25 °C (77 °F).						