

217 Series, 5 × 20 mm, Fast-acting Fuse



Description

5×20mm fast-acting glass body cartridge fuse designed to IEC specification.

Features

- Designed to International (IEC) Standards for use globally
- Meets the IEC 60127-2, Sheet 2 specification for fast-acting fuses
- Available in cartridge and axial lead form
- RoHS compliant and lead-free

Applications

Used as supplementary protection in appliance or utilization equipment to provide individual protection for components or internal circuits.

Agency Approvals

Agency	Agency File Number	Ampere Range
	Cartridge: NBK090205-E10480A NBK120802-E10480C	1A – 5A 6.3A – 15A
	Leaded: NBK090205-E10480B NBK120802-E10480D	1A – 5A 6.3A – 15A
	2002010207007600	0.032A – 6.3A
	SU05001-3004 SU05001-2005 SU05001-2006 SU05001-2007	0.032A – 0.040A 0.050A – 0.315A 0.400A – 6.3A 8A - 10A
	E10480	0.032A – 10A
	29862	0.032A – 6.3A
	1517221	0.032A – 6.3A
	40014645	0.032A – 6.3A, 8A*, 10A*
	40016647	15A*
	KM41462	0.040A – 6.3A
	N/A	0.032A – 15A

*Approval for cartridge versions only

Electrical Characteristics for Series

% of Ampere Rating	Ampere Rating	Opening Time
150%	0.032A–0.0100A	60 minutes, Minimum
	0.0125A-6.3A	60 minutes, Minimum
	8A-15A	30 minutes, Minimum
210%	0.032A-0.0100A	30 minutes, Maximum
	0.0125A-6.3A	30 minutes, Maximum
	8A-15A	30 minutes, Maximum
275%	0.032A-0.0100A	0.01 sec., Min.; .5 sec. Max.
	0.0125A-6.3A	0.05 sec., Min.; 2 sec. Max.
	8A-15A	0.05 sec., Min.; 2 sec. Max.
400%	0.032A-0.0100A	.003 sec., Min.; 0.1 sec. Max.
	0.0125A-6.3A	.01 sec., Min.; 0.3 sec. Max.
	8A-15A	.01 sec., Min.; 0.4 sec. Max.
1000%	0.032A-0.0100A	.02 second, Maximum
	0.0125A-6.3A	.02 second, Maximum
	8A-15A	.04 second, Maximum

Additional Information



Datasheet



Resources



Samples



Accessories

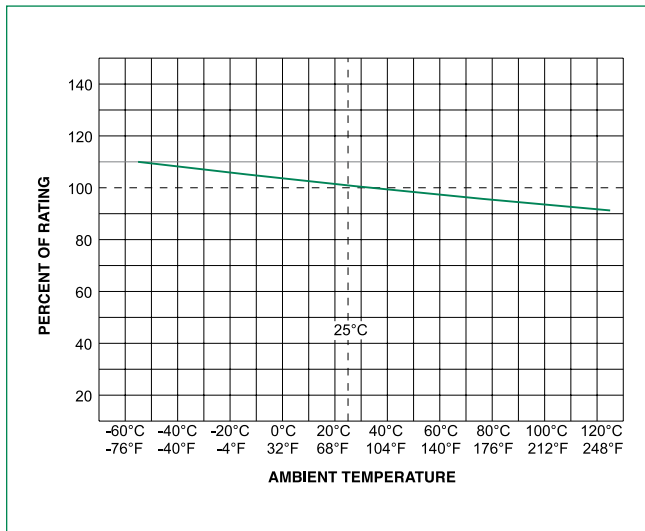
For recommended fuse accessories for this product series, see ["Recommended Accessories"](#) section.

Electrical Characteristic Specifications by Item

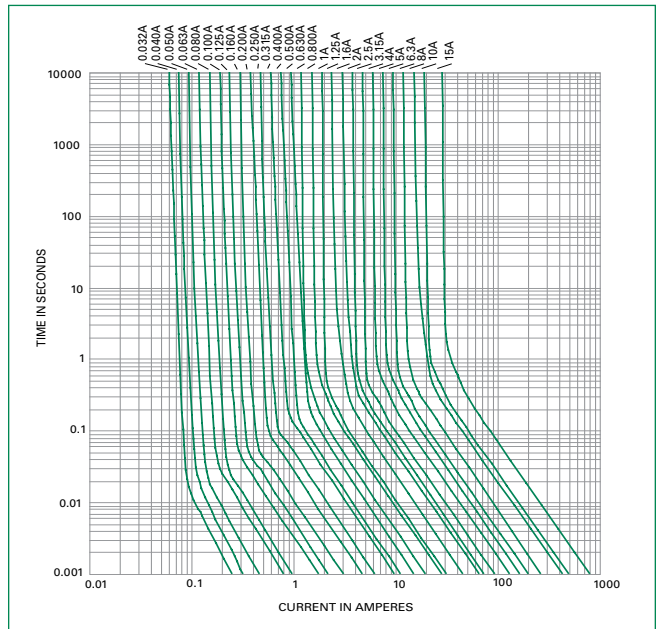
Amp Code	Amp Rating (A)	Voltage Rating (V)	Interrupting Rating	Nominal Cold Resistance (Ohms)	Nominal Melting I ² t (A ² sec)	Maximum Voltage Drop at Rated Current (mV)	Maximum Power Dissipation At 1.5In(W)	Agency Approvals									
0.032	0.032	250	35A @ 250VAC	262.2000	0.00015	10000	1.6	-	x	x	-	x	x	x	x	x	
0.04	0.04	250		183.1500	0.00008	8000	1.6	-	x	x	-	x	x	x	x	x	x
0.05	0.05	250		15.2000	0.00049	7000	1.6	-	x	x	-	x	x	x	x	x	x
0.063	0.063	250		10.4500	0.00056	5000	1.6	-	x	x	-	x	x	x	x	x	x
0.08	0.08	250		7.8900	0.00132	4000	1.6	-	x	x	-	x	x	x	x	x	x
0.1	0.1	250		5.6965	0.0026	3500	1.6	-	x	x	-	x	x	x	x	x	x
0.125	0.125	250		3.8200	0.00478	2000	1.6	-	x	x	-	x	x	x	x	x	x
0.16	0.16	250		2.5250	0.01	2000	1.6	-	x	x	-	x	x	x	x	x	x
0.2	0.2	250		1.7000	0.02	1700	1.6	-	x	x	-	x	x	x	x	x	x
0.25	0.25	250		1.2325	0.04	1400	1.6	-	x	x	-	x	x	x	x	x	x
0.315	0.315	250		0.8800	0.11	1300	1.6	-	x	x	-	x	x	x	x	x	x
0.4	0.4	250		0.2770	0.125	1200	1.6	x	x	x	-	x	x	x	x	x	x
0.5	0.5	250		0.2065	0.215	1000	1.6	x	x	x	-	x	x	x	x	x	x
0.63	0.63	250		0.1900	0.41	650	1.6	x	x	x	-	x	x	x	x	x	x
0.8	0.8	250		0.1203	0.85	240	1.6	x	x	x	-	x	x	x	x	x	x
1.0	1	250		0.0964	1.045	200	1.6	x	x	x	x	x	x	x	x	x	x
1.25	1.25	250		0.0701	2.23	200	1.6	x	x	x	x	x	x	x	x	x	x
1.6	1.6	250		0.0528	4.615	190	1.6	x	x	x	x	x	x	x	x	x	x
2.0	2	250		0.0416	5.73	170	1.6	x	x	x	x	x	x	x	x	x	x
2.5	2.5	250		0.0334	9.46	170	1.6	x	x	x	x	x	x	x	x	x	x
3.15	3.15	250	0.0224	17.72	150	2.5	x	x	x	x	x	x	x	x	x	x	
4.0	4	250	40A @ 250VAC	0.0165	29.165	130	2.5	x	x	x	x	x	x	x	x	x	
5.0	5	250	50A @ 250VAC 35A @ 250VAC 70A @ 60VDC 70A @ 75VDC	0.0137	42.795	130	2.5	x	x	x	x	x	x	x	x	x	
6.3	6.3	250	63A @ 250VAC	0.0095	62.465	130	2.5	x	x	x	x	x	x	x	x	x	
8.0	8	250	80A @ 250VAC	0.0068	198.16	130	4	-	x	-	x	x	-	-	x	x*	
10.0	10	250	100A @ 250VAC	0.0063	217.635	130	4	-	x	-	x	x	-	-	x	x*	
15.0	15	250	150A @ 250VAC	0.0040	607.135	130	4	-	-	-	x	-	-	-	x	x*	

* Approval for cartridge versions only.

Temperature Re-rating Curve

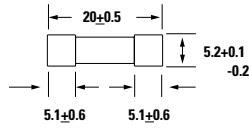


Average Time Current Curves

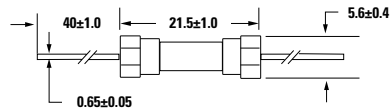


Dimensions

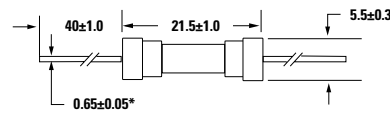
0217 000P



0217.032 XEP
to
0217.315 XEP



0217.400 XEP
to
0217015 XEP

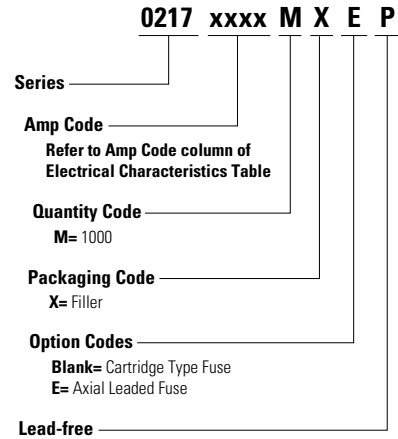


All dimensions in mm

Notes:

* Ratings above 6.3A have 0.8±0.05 diameter lead.

Part Numbering System



Packaging

Packaging Option	Packaging Specification	Quantity	Quantity & Packaging Code	Taping Width
217 Series				
Bulk	N/A	1000	MX	N/A
Bulk	N/A	1000	MXE	N/A
Reel and Tape	EIA 296-E	1000	MRET1	T1=53mm (2.087")
Bulk	N/A	1000	MXG	N/A
Bulk	N/A	1000	MXB	N/A
Bulk	N/A	100	HX	N/A

Recommended Accessories

Accessory Type	Series	Description	Max Application Voltage	Max Application Amperage
Holder	345_ISF	Panel Mount Shock-Safe Fuseholder	250	10
	345	Shock-Safe Fuseholder with PC Mount, Solder Mount and Panel Mount options		20
	830	PC Mount Shock-Safe Miniature Fuseholder		16
Block	520	Metric OMNI-BLOK® Fuse Block		10
	646	PC Mount Miniature Fuse Block		6.3
	658	Surface Mount Miniature Fuse Block		10
Clip	520_W	PC Mount Miniature Fuse Clip		6.3
	111	PC Board Mount Fuse Clip		10
	445	PC Board Mount Fuse Clip		10

Notes:

- Do not use in applications above rating.
- Please refer to fuseholder data sheet for specific re-rating information.
- Please contact factory for applications greater than the max voltage and amperage shown.