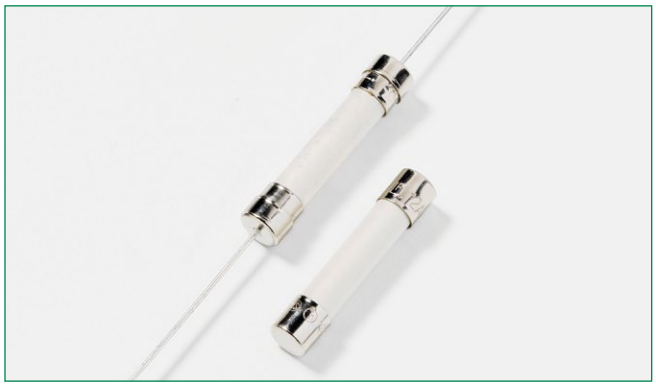
325/326 Series Lead-Free 3AB, Slo-Blo® Fuse



Agency Approvals

Agency	Agency File Number	Ampere Range
UL	E10480	0.250A - 10A
TÜV	E10480	12A - 30A
CSA	29862	0.250A - 30A
PSE	Cartridge: NBK 030805-E10480A NBK 030805-E10480C NBK 030805-E10480E NBK 260106-JP1021A Leaded: NBK 030805-E10480B NBK 030805-E10480D NBK 030805-E10480F NBK 260106-JP1021B	 1A-3.2A 4A-5A 6.25A-15A 20A-30A 1A-3.2A 4A-5A 6.25A-15A 20A-30A
KC	SU05001-5010 SU05001-5011 SU05001-5012 SU05001-6006 SU05001-6007	7-10A 12A, 15A 20A 2.8A-3.2A 2.5A
EAC	T 50239752 01	*12A/*15A/*20A
CE	N/A	0.010A - 30A

* Approved for cartridge version only

Description

The 3AB Slo-Blo® Fuse with ceramic body construction permits higher interrupting ratings and voltage ratings. Ideal for applications where high current loads are expected.

Features

- In accordance with UL Standard 248-14
- Available in cartridge and axial lead format and with various forming dimensions
- RoHS compliant and Lead-free

Applications

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

Electrical Characteristics for Series

% of Ampere Rating	Ampere Rating	Opening Time
100%	0.010A – 30A	4 hours, Minimum
135%	0.010A – 30A	1 hour, Maximum
200%	0.010A – 3.2A	5 sec., Min., 30 sec., Max.
	4A – 30A	5 sec., Min., 60 sec., Max.

Additional Information

Datasheet 325 Series | Resources 325 Series | Samples 325 Series | Accessories 325 Series

Datasheet 326 Series | Resources 326 Series | Samples 326 Series | Accessories 326 Series

For recommended fuse accessories for this product series, see 'Recommended Accessories' section.

© 2019 Littelfuse, Inc.
Specifications are subject to change without notice.

Revised: 04/29/19

Axial Lead & Cartridge Fuses

3AB > Slo-Blo® Fuse > 325/326 Series

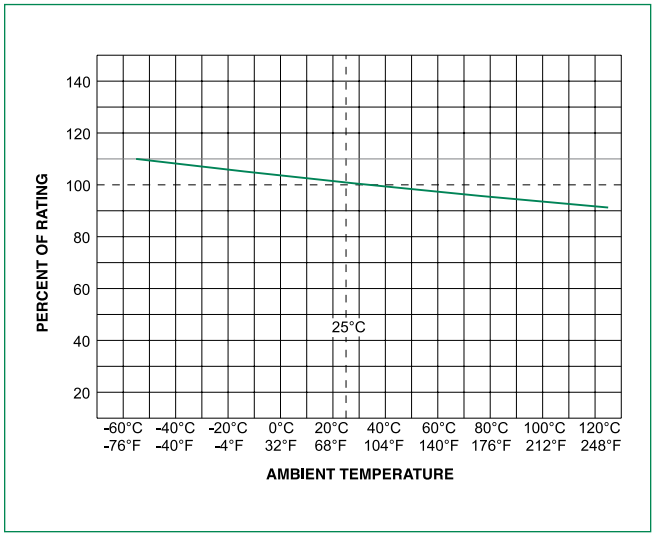
Electrical Characteristic Specifications by Item

Amp Code	Ampere Rating (A)	Voltage Rating (V)	Interrupting Rating	Nominal Cold Resistance (Ohms)	Nominal Melting I²t (A² sec)	Agency Approvals						
						PSE				CE		
.010	0.01	250	100A@250Vac	3324.8000	0.00013					x		
.031	0.031	250		332.5000	0.0110					x		
.062	0.062	250		91.7000	0.0276					x		
.100	0.1	250		33.5500	0.0870					x		
.125	0.125	250		22.4500	0.100					x		
.150	0.15	250		15.4500	0.143					x		
.175	0.175	250		8.9200	0.350					x		
.187	0.187	250		7.7250	0.330					x		
.200	0.2	250		6.7700	0.316					x		
.250	0.25	250	100A@250Vac 10KA@125Vac 10KA@125Vdc	4.4300	0.804			x	x	x		
.300	0.3	250		3.2200	1.230			x	x	x		
.375	0.375	250		2.1550	1.20			x	x	x		
.400	0.4	250		1.9350	1.33			x	x	x		
.500	0.5	250		1.3000	4.80			x	x	x		
.600	0.6	250		0.9495	3.90			x	x	x		
.700	0.7	250		0.7215	6.42			x	x	x		
.750	0.75	250		0.6410	13.00			x	x	x		
.800	0.8	250		0.5725	8.20			x	x	x		
001.	1	250		0.3890	16.3	x		x	x	x		
01.2	1.2	250		0.2860	22.0	x		x	x	x		
1.25	1.25	250		0.2680	40.0	x		x	x	x		
01.5	1.5	250		0.1975	59.7	x		x	x	x		
01.6	1.6	250		0.1760	66.0	x		x	x	x		
002.	2	250		0.1210	118.0	x		x	x	x		
02.5	2.5	250		0.0835	185.0	x		x	x	x		x
02.8	2.8	250		0.0695	232.0	x		x	x	x		x
003.	3	250		0.0605	200.0	x		x	x	x		x
03.2	3.2	250	100A@250Vac 10KA@125Vac	0.0539	214.0	x		x	x	x		x
004.	4	250	400A@250Vac 10KA@125Vac 10KA@125Vdc	0.0761	9.71	x		x	x	x		
005.	5	250		0.0522	25.0	x		x	x	x		
6.25	6.25	250		0.0346	60.4	x		x	x	x		
007.	7	250		0.0227	47.3	x		x	x	x		x
008.	8	250		0.0193	67.1	x		x	x	x		x
010.	10	250		0.0132	137	x		x	x	x		x
012.	12	250	400A@250Vac 10KA@125Vac 600A@125Vdc	0.0067	129	x	x	x		x	x***	x
012.*	12	250	1500A@250Vac	0.0011	618		x	x		x		
015.	15	250	400A@250Vac 10KA@125Vac 600A@125Vdc	0.0050	245	x	x	x		x	x***	x
015.*	15	250	1500A@250Vac	0.0083	760		x	x		x		
020.	20	250	400A@250Vac 10KA@125Vac 600A@125Vdc	0.0034	575	x	x	x		x	x***	x
020.*	20	250	1500A@250Vac	0.0042	2500		x	x		x		
025.**	25	250	1500A@250Vac	0.0032	4682		x			x		
025.	25	250	400A@250Vac 10KA@60Vdc 600A@125Vdc	0.0024	1030	x	x	x		x		
030.	30	250		0.0019	1690	x	x	x		x		

*Higher i^2t version available. Please add suffix "D" to part numbers. For instance, 0325020.MXDP, 0326020.MXDP
I^2t test at 10× rated current.
**Higher I^2t version available. Please add suffix "W" to part numbers. For instance, 0325025.MXWP
***Approved for cartridge versions only, and interrupting rating is 400A@125Vac and 400A@250Vac

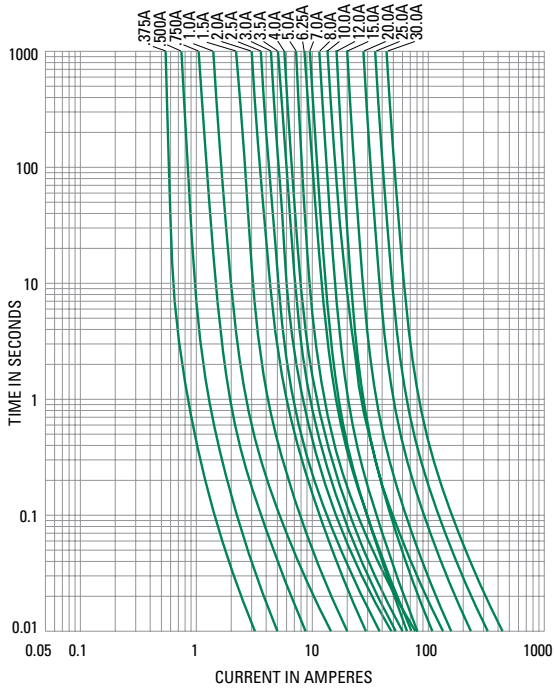
© 2019 Littelfuse, Inc.
Specifications are subject to change without notice.
Revised: 04/29/19

Temperature Re-rating Curve

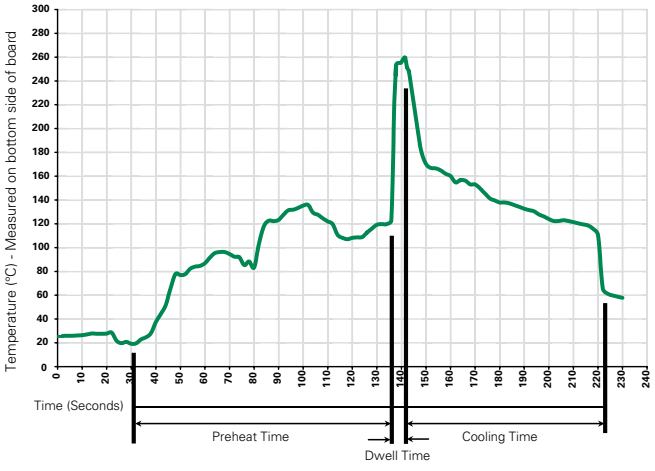


Note:
Rerating depicted in this curve is in addition to the standard derating of 25% for continuous operation.

Average Time Current Curves



Soldering Parameters - Wave Soldering



Recommended Process Parameters:

Wave Parameter	Lead-Free Recommendation
Preheat: (Depends on Flux Activation Temperature)	(Typical Industry Recommendation)
Temperature Minimum:	100°C
Temperature Maximum:	150°C
Preheat Time:	60-180 seconds
Solder Pot Temperature:	260°C Maximum
Solder Dwell Time:	2-5 seconds

Recommended Hand-Solder Parameters:

Solder Iron Temperature: 350°C +/- 5°C
Heating Time: 5 seconds max.

Note: These devices are not recommended for IR or Convection Reflow process.

© 2019 Littelfuse, Inc.
Specifications are subject to change without notice.
Revised: 04/29/19

Axial Lead & Cartridge Fuses

3AB > Slo-Blo® Fuse > 325/326 Series

Product Characteristics

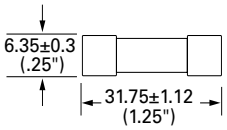
Materials	Body: Ceramic Cap: Nickel–plated brass Leads: Tin–plated Copper
Terminal Strength	MIL-STD-202, Method 211, Test Condition A
Solderability	MIL-STD-202 Method 208
Product Marking	Cap1: Brand logo, current and voltage ratings Cap2: Series and agency approval marks

Operating Temperature	–55°C to +125°C
Thermal Shock	MIL-STD-202, Method 107, Test Condition B:(5 cycles - 65°C to 125°C)
Vibration:	MIL-STD-202, Method 201
Humidity	MIL-STD-202, Method 103, Test Condition A: High RH (95%) and Elevated temperature(40°C) for 240 hours
Salt Spray	MIL-STD-202, Method 101, Test Condition B

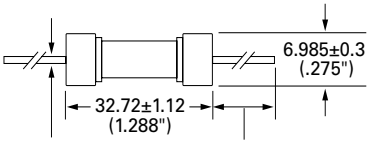
Dimensions

Measurements displayed in millimeters (inches)

326 000P **Series**
(cartridge)



325 000P **Series**
(axial leaded)

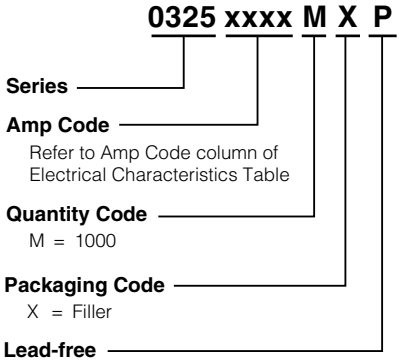


Axial Lead Diameter:
0.81±0.05 (.032") for (0.01A - 15A)
1.02±0.06 (.040") for (20A - 30A)

Axial Lead Length:
38.1±3.15 (1.50") TYP.
52±1(2.0") for long lead

Axial Lead Material:
Tin-coated copper

Part Numbering System



Packaging

Packaging Option	Packaging Specification	Quantity	Quantity & Packaging Code	Taping Width
		325 Series		
Bulk	N/A	5	VX	N/A
Bulk	N/A	100	HX	N/A
Bulk	N/A	1000	MX	N/A
Bulk	N/A	1000	MX52 (long lead)	N/A
Bulk	N/A	1000	MX52L (long lead)	N/A
Bulk	N/A	1000	MXD	N/A
Bulk	N/A	1000	MXF31	N/A
Bulk	N/A	1000	MXW	N/A
		326 Series		
Bulk	N/A	5	VX	N/A
Bulk	N/A	100	HX	N/A
Bulk	N/A	1000	MX	N/A
Bulk	N/A	1000	MXCC	N/A
Bulk	N/A	1000	MXD	N/A

© 2019 Littelfuse, Inc.
Specifications are subject to change without notice.
Revised: 04/29/19

Recommended Accessories

Accessory Type	Series	Description	Max Application Voltage	Max Application Amperage
Holder	155100	Twist-Lock In-Line Fuseholder	32	20
	342	Traditional Panel Mount Fuseholder	250	20
	346	Panel Mount Flip-Top Shock-Safe Fuseholder	250	15
	345	Shock-Safe Fuseholder with PC Mount, Solder Mount and Panel Mount options	250	20
Block	354	Low Profile OMNI-BLOK® Fuse Block	600	30
	359	High Current Screw Terminal Fuse Block		30
Clip	122	High Current Traditional PC Board Fuse Clip	1000	30
	101	Rivet/Eyelet Type Fuse Clip	1000	15

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

Disclaimer Notice - Information furnished is believed to be accurate and reliable. However, users should independently evaluate the suitability of and test each product selected for their own applications. Littelfuse products are not designed for, and may not be used in, all applications. Read complete Disclaimer Notice at: www.littelfuse.com/disclaimer-electronics.

© 2019 Littelfuse, Inc.
Specifications are subject to change without notice.
Revised: 04/29/19