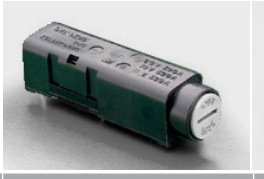
FUSE HOLDER SELECTION GUIDE



Fuse Type	Fuse Series	Panel Mount	PC Board	Blocks	Clips	In- Line
4.5x14.5 mm (2AG)	**225** **229**	3452 International Shock-Safe 345 International shock-Safe (old) 245001 Shorty Solder QC 245002 Shorty NEMA QC 286377 Flip Top	254101 254121 Berylium Copper	254 Omni-Blok	111501 111505 Berylium Copper 111506	150274
5x20 mm	**213** **215** **216** **217** **218** **219A** **232** **233** **234** **235** **239**	3455 International Shock-Safe 345 International shock-Safe (old) 286377 Flip Top 800 820 823 snap-in 821 850 851 860 4 Watt 870 medical,captive cap FH503R FH503S	345121 horizontal 521101 Omni-Blok OPTF0060W no cover optional OPTF0075P cover optional OOBS0232P cover 646 648 cover 640 cover and puller combo 649 656 659,660 cover 658 Surface Mt 659,660 cover 810 horizontal 830 horizontal 862 horizontal 811 vertical 831 vertical 4pin 834 vertical 852 vertical 2 pin 853 vertical 2pin 860 4 Watt	520003 Omni-Blok QC 520004 Omni-Blok Soder 520005 Omni-Blok anti-rotation FB58A FB58B	111501 445001 111505 Berylium Copper 30210 111506 Berylium Copper 520001 100054 100056 111005 T&R 519 T&R 520 521 518 Combo,3AA & 5X20	150274
6.3x32 mm (3AB/3AG)	**312** **313** **314** **326**	34453 International Shock-Safe 345 International shock-Safe (old) 342 Traditional 344 Indicating Snap Mount 348 Snap Mount 346377 Flip Top 342006 Watertight screw-in 340312/3 Shielded Watertight 342024 MII high temp knurled 342025 MII high temp fluted 800 2.5 Watt 80001 500V 2.5 Watt 860 4 Watt FH602R FH604R	345101 horizontal 810 horizontal 862 horizontal 811 vertical	354 Omni-Blok 356 Screw terminal 359 Screw terminal FB66A	102071 102074 122083 122067 Berylium Copper 122088 122093 Berylium Copper 102078 102079 102076 102076 102080 122090 Berylium Copper 121001 Berylium Copper 100058 101001 101002 101003 102064 121004 Berylium Copper 121002 Berylium Copper 518 Combo,3AA & 5X20	155100 Twist-Lock 150215 Assem,no Fuse 155000 Heavy Duty 150079 Assem,no Fuse 150322 120VAC UL
TE5®/TR5®	**370,372** **373,378** **374,379** **375,382** **384**	570 575 cap	559 560 562 564 565 90° 571 575 cap			
Micro™/ TR3®	**272 273** **262 268** **269 24** **279**	282001 Front mt.Neoprene 282007 Front mt.Conductive 282002 Rear mt Neoprene 282008 Rear mt.Conductive 280003 125V indicating 280004 32V indicating	281005 Vertical silver 281007 Horizontal silver 281008 Vertical tin 281010 Horizontal tin			

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4.5mm x 14.5mm (2AG) SIZE FUSE SERIES AND HOLDER OPTIONS

Fuse Series Name	Time Lag (Slo-Blo®)	Medium Acting	Fast Acting	Very Fast Acting	Device Range[3] (Operating Current Options in Amps)	Max. Voltage Rating[3] (Volts)	Interrupting Rating at Max Voltage Rating[3] (Amps)	Operating Temperature Range	Agency Approvals[3]													RoHS Compliant	Lead Free
									Americas				Europe					Asia					
									UL	UR	CSA	QPL	CE	VDE	TUV	BSI	Semko	PSE	K	CCC	CQC		
208			•		0.125 - 10	350	100	-55°C to +125°C		•			•					•				•	•
209	•				0.25 - 1	350	100			•			•					•				•	•
224/225			•		0.1 - 10	250 / 125	35 - 500		•	•	•		•					•				•	•
229/230	•				0.25 - 7	250 / 125	35 - 400		•	•	•		•					•				•	•

Panel Mount Holders	PC Board Mount Holders	Blocks	Clips	In-Line Holders
3452 International Shock-Safe	254101	254 Omni-Blok	111501	150274
345 International shock-Safe (old)	254121 Berylium Copper		111505 Berylium Copper	
245001 Shorty Solder QC			111506	
245002 Shorty NEMA QC				
286377 Flip Top				

5mm x 20mm SIZE FUSE SERIES AND HOLDER OPTIONS

Series Name[1]	Time Lag (Slo-Blo®)	Medium Acting	Fast Acting	Very Fast Acting	Device Range[3] (Operating Current Options in Amps)	Max. Voltage Rating[3] (Volts)	Interrupting Rating at Max Voltage Rating[3] (Amps)	Operating Temperature Range	Agency Approvals[3]													RoHS Compliant	Lead Free
									Americas				Europe					Asia					
									UL	UR	CSA	QPL	CE	VDE	TUV	BSI	Semko	PSE	K	CCC	CQC		
217			•		0.032 - 15	250	35 - 150	-55°C to +125°C		•	•		•	•		•	•	•	•	•		•	•
218	•				0.032 - 16	250	35 - 100			•	•		•	•		•	•	•	•	•		•	•
213	•				0.2 - 6.3	250	35 - 63			•	•		•	•		•	•	•		•		•	•
219XA	•				0.4 - 6.3	250	150			•	•		•	•		•	•	•		•		•	•
216			•		0.05 - 16	250	750 - 1500			•	•		•	•		•	•	•	•	•		•	•
215	•				0.125 - 25	250	300 - 1500			•	•		•	•		•	•	•	•	•		•	•
232		•			1 - 10	250 / 125	300 / 10,000						•					•	•			•	•
235			•		0.1 - 7	250 / 125	35 - 10,000		•		•		•					•	•			•	•
233		•			1 - 10	125	10,000		•		•		•					•	•			•	•
234		•			1 - 10	250	100 - 200		•		•		•					•	•			•	•
239	•				0.08 - 7	250 / 125	35 - 10,000		•		•		•					•	•			•	•
477	•				0.5 - 16	400DC / 500AC	100 - 1500			•							•	•	•				•	•

Panel Mount Holders	PC Board Mount Holders	Blocks	Clips	In-Line Holders
3455 International Shock-Safe	345121 horizontal	520003 Omni-Blok QC	111501	150274
345 International shock-Safe (old)	521101 Omni-Blok	520004 Omni-Blok Soder	445001	
286377 Flip Top	OPTF0060W no cover optional	520005 Omni-Blok anti-rotation	111505 Berylium Copper	
800	OPTF0075P cover optional		30210	
820	OOBS0232P cover		111506 Berylium Copper	
823 snap-in	646		520001	
821	648 cover	FB58A	100054	
850	640 cover and puller combo	FB58B	100056	
851	649		111005 T&R	
860 4 Watt	656 659,660 cover		519 T&R	
870 medical,captive cap	658 Surface Mt 659,660 cover		520	
FH503R	810 horizontal		521	
FH503S	830 horizontal		518 Combo,3AA & 5X20	
	862 horizontal			
	811 vertical			
	831 vertical 4pin			
	834 vertical			
	852 vertical 2 pin			
	853 vertical 2pin			
	860 4 Watt			

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6.3mm x 32mm (3AB / 3AG) SIZE FUSE SERIES AND HOLDER OPTIONS

Series Name[1]	Time Lag (Slo-Blo®)	Medium Acting	Fast Acting	Very Fast Acting	Device Range[3] (Operating Current Options in Amps)	Max. Voltage Rating[3] (Volts)	Interrupting Rating at Max Voltage Rating[3] (Amps)	Operating Temperature Range	Agency Approvals[3]													RoHS Compliant	Lead Free
									Americas				Europe					Asia					
									UL	UR	CSA	QPL	CE	VDE	TUV	BSI	Semko	PSE	K	CCC	CQC		
312/318			•		0.01 - 35	250 / 125 / 32	35 - 300		•	•	•		•					•	•			•	•
313/315	•				0.01 - 30	250 / 125 / 32	35 - 300		•	•	•		•					•	•			•	•
314/324			•		0.125 - 40	250	35 - 1000		•	•	•		•					•	•			•	•
322				•	1 - 30	250 / 65	100 - 1000	-55°C to +125°C		•			•					•				•	•
325/326	•				0.01 - 30	250 / 125	100 - 600		•	•	•		•					•	•			•	•
388			•		1 - 30	250	100						•					•	•			•	•
505			•		10 - 30	450 / 500	20,000 - 50,000			•			•									•	•

Panel Mount Holders	PC Board Mount Holders	Blocks	Clips	In- Line Holders
34453 International Shock-Safe	345101 horizontal	354 Omni-Blok	102071	155100 Twist-Lock
345 International shock-Safe (old)	810 horizontal	356 Screw terminal	102074	150215 Assem,no Fuse
342 Traditional	862 horizontal	359 Screw terminal	122083	155000 Heavy Duty
344 Indicating Snap Mount	811 vertical	FB66A	122067 Berylium Copper	150079 Assem,no Fuse
348 Snap Mount			122088	150322 120VAC UL,
346377 Flip Top			122093 Berylium Copper	
342006 Watertight screw-in			102078	
340312/3 Shielded Watertight			102079	
342024 Mll high temp knurled			102076	
342025 Mll high temp fluted			102076	
800 2.5 Watt			102080	
80001 500V 2.5 Watt			122090 Berylium Copper	
860 4 Watt			121001 Berylium Copper	
FH602R			100058	
FH604R			101001	
			101002	
			101003	
			102064	
			121004 Berylium Copper	
			121002 Berylium Copper	
			518 Combo,3AA & 5X20	

FUSE HOLDER RE-RATING:

For 25°C ambient temperatures, it is recommended that fuse holders be operated at no more than 60% of the nominal current rating established using the controlled test conditions specified by Underwriters Laboratories.

The primary objective of these UL test conditions is to specify common test standards necessary for the continued control of manufactured items intended for protection against fire, etc. A copper dummy fuse is inserted in the fuse holder by Underwriters Laboratories, and then the current is increased until a certain temperature rise occurs.

The majority of the heat is produced by the contact resistance of the fuse holder clips. This value of current is considered to be the rated current of the fuse holder, expressed as 100% of rating.

Some of the more common, everyday applications may differ from these UL test conditions as follows: fully enclosed fuse holders, high contact resistance, air movement, transient spikes, and changes in connecting cable size (diameter and length).

Even small variations from the controlled test conditions can greatly affect the ratings of the fuse holder. For this reason, **it is recommended that fuse holders be de-rated by 40% (operated at no more than 60% of the nominal current rating** established using the Underwriter Laboratories test conditions).

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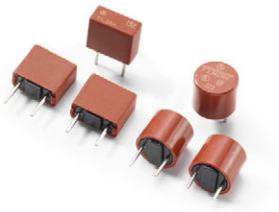
TE5®/TR5® TYPE FUSE SERIES AND HOLDER OPTIONS



Series Name[1]	Time Lag (Slo-Blo®)	Medium Acting	Fast Acting	Very Fast Acting	Device Range[3] (Operating Current Options in Amps)	Max. Voltage Rating[3] (Volts)	Interrupting Rating at Max Voltage Rating[3] (Amps)	Operating Temperature Range	Agency Approvals[3]													RoHS Compliant	Lead Free
									Americas				Europe					Asia					
									UL	UR	CSA	QPL	CE	VDE	TUV	BSI	Semko	PSE	K	CCC	CQC		
370			•		0.4 - 6.3	250	35 - 50	-40°C to +85°C		•				•			•	•		•		•	•
372	•				0.4 - 6.3	250	35 - 50			•				•			•	•	•	•	•	•	•
373			•		0.5 - 10	250	50		•		•											•	•
374	•				0.5 - 10	250	50		•		•											•	•
382	•				1 - 10	250	100			•				•			•	•	•	•	•	•	•
383	•				1 - 10	300	50 - 100			•				•				•				•	•
369	•				1 - 6.3	300	50	-40°C to +85°C		•								•				•	•
385	•				0.35 - 1.5	125	50			•												•	•
391			•		0.125 - 4	65	50			•												•	•
392	•				0.8 - 6.3	250	25 - 63			•				•			•	•	•		•	•	•
395			•		0.05 - 6.3	125	100		•									•				•	
396	•				0.05 - 6.3	125	100		•									•				•	•
397	•				0.35 - 1.5	125	50		•													•	•
398		•			0.125 - 4	65	50			•												•	•
399	•				0.125 - 4	65	50			•												•	•
400	•				0.5 - 6.3	250	130			•				•				•				•	•

Panel Mount Holders	PC Board Mount Holders
570	559
575 cap	560
	562
	564
	565 90°
	571
	575 cap

MICRO™/TR3® TYPE FUSE SERIES AND HOLDER OPTIONS

Series Name[1]	Time Lag (Slo-Blo®)	Medium Acting	Fast Acting	Very Fast Acting	Device Range[3] (Operating Current Options in Amps)	Max. Voltage Rating[3] (Volts)	Interrupting Rating at Max Voltage Rating[3] (Amps)	Operating Temperature Range	Agency Approvals[3]													RoHS Compliant	Lead Free
									Americas				Europe					Asia					
									UL	UR	CSA	QPL	CE	VDE	TUV	BSI	Semko	PSE	K	CCC	CQC		
262/268/269				•	0.002 - 5	125	10,000	-55°C to +125°C		•	•	•											
272/278				•	0.002 - 5	125	10,000	-55°C to +125°C		•	•	•											
273/274/279				•	0.002 - 5	125	10,000	-55°C to +85°C															
303			•		0.5 - 5	125	50	-55°C to +70°C	•		•											•	•

Panel Mount Holders	PC Board Mount Holders
282001 Front mt.Neoprene	281005 Vertical silver
282007 Front mt.Conductive	281007 Horizontal silver
282002 Rear mt Neoprene	281008 Vertical tin
282008 Rear mt.Conductive	281010 Horizontal tin
280003 125V indicating	
280004 32V indicating	

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