

S500-V (GDB-V)* (axial leads)**S500 (GDB)*****Specifications**

Description: Fast-acting, low-breaking capacity fuse.

Construction:

Glass tube, nickel-plated brass endcaps (silver-plated endcaps, 32-125mA).

Ratings:

Volts — 250Vac (or less)
— 32Vdc (self certified)

Amps — 32mA-10A

IR — See catalog table

Agency information: CE, cURus, SEMKO, VDE, BSI, IMQ, CCC.

See data sheet for complete agency information. Not all approvals apply to all ratings.

Features and benefits

- Fast-acting for maximum protection, conforms to IEC 60127-2 (160mA-10A).

Typical applications

- Electronic circuits

Catalog numbers (amps)

Catalog numbers	IR (amps)	I ² t	Max voltage drop (mV)
S500-32-R	35	0.000047	3200
S500-40-R	35	0.00011	2500
S500-50-R	35	0.00020	2400
S500-63-R	35	0.00057	2000
S500-80-R	35	0.0012	1200
S500-100-R	35	0.003	1100
S500-125-R	35	0.005	1000
S500-160-R	35	0.008	2000
S500-200-R	35	0.016	1700
S500-250-R	35	0.028	1400
S500-315-R	35	0.058	1300
S500-400-R	35	0.018	1100
S500-500-R	35	0.018	220
S500-630-R	35	0.035	220
S500-800-R	35	0.067	190
S500-1-R	35	0.60	200
S500-1.25-R	35	0.84	200
S500-1.6-R	35	1.6	190
S500-2-R	35	4.2	150
S500-2.5-R	35	6.1	150
S500-3.15-R	35	13	130
S500-4-R	40	22	130
S500-5-R	50	42	120
S500-6.3-R	63	69	120
S500-8-R	80	-	120
S500-10-R	100	—	120

Options

Axial leads, put "V" in P/N,

*When ordering GDB version, do not add "-R" suffix to part number.

Data Sheet: 2052 (S500), 2015 (GDB)

S501-V (GDA-V)* (axial leads)**S501 (GDA)*****Specifications**

Description: Fast-acting, high-breaking capacity fuse.

Construction:

Ceramic tube, nickel-plated brass endcaps (silver-plated endcaps 50mA-400mA).

Ratings:

Volts — 250Vac (or less)
— 32Vdc (self certified)

Amps — 50mA-10A**

IR — 1500A @ 250Vac

Agency information: CE, cURus, SEMKO, VDE, IMQ, CCC, CSA, BSI.

See data sheet for complete agency information. Not all approvals apply to all ratings.

Features and benefits

- Fast-acting for maximum protection.
- High break capacity for use in higher fault energy electronic circuitry.
- Conforming to IEC standards.

Typical applications

- Electronic circuits

Catalog numbers (amps)

Catalog numbers	I ² t	Typical voltage drop (mV)
S501-50-R	0.0017	9000
S501-63-R	0.0005	3300
S501-80-R	0.0011	2600
S501-100-R	0.0018	2300
S501-125-R	0.0037	1900
S501-160-R	0.008	1600
S501-200-R	0.020	1350
S501-250-R	0.027	1300
S501-315-R	0.010	1400
S501-400-R	0.018	1200
S501-500-R	0.038	1050
S501-630-R	0.064	1200
S501-800-R	0.097	490
S501-1-R	0.146	330
S501-1.25-R	0.313	297
S501-1.6-R	0.748	239
S501-2-R	2.0	205
S501-2.5-R	3.9	190
S501-3.15-R	8.1	160
S501-4-R	14	160
S501-5-R	25	155
S501-6.3-R	48	150
S501-8-R	N/A	N/A
S501-10-R	N/A	N/A

Options

Axial leads, put "V" in P/N.

*When ordering GDA version, do not add "-R" suffix to part number.

**GDA is not available above 6.3A.

Data Sheet: 2051 (S501), 2014 (GDA)

S505-V (axial leads)**S505****Specifications**

Description: Time-delay, high-breaking capacity fuse.

Construction:

Ceramic tube, silver-plated brass endcaps.

Ratings:

Volts — 250Vac (or less)
— 32Vdc (self certified)

Amps — 500mA-12A

IR — 1500A @ 250Vac

Agency information: UL, CSA, SEMKO, VDE, BSI, IMQ, PSE/JET, CCC, EK, FIMKO.

See data sheet for complete agency information. Not all approvals apply to all ratings.

Features and benefits

- Time-delay performance ideal for inductive circuits.
- Conforming to IEC standards.

Typical applications

- Electronic circuits

Catalog numbers (amps)

Catalog numbers	Typical I ² t	Max voltage drop (mV)
S505-500-R	0.188*	295
S505-800-R	0.632*	189
S505-1-R	1.28	152.5
S505-1.25-R	2.22	150
S505-1.6-R	6.78	125
S505-2-R	9.60	118.5
S505-2.5-R	16.60	115
S505-3.15-R	36.60	102.5
S505-4-R	38.45*	86.5
S505-5-R	71.30*	77.5
S505-6.3-R	197	75
S505-8-R	311	75
S505-10-R	397	72
S505-12-R	713.7*	77

*The typical I²t value was measured at 10 times of rated current under DC.

Options

Axial leads, put "V" in P/N.

Data Sheet: 2037

S505H (S505H-V)*

(axial leads)

Specifications**Description:** Time-delay, high-breaking capacity fuse.**Construction:**

Ceramic tube, nickel-plated brass endcaps.

Ratings:

Volts — 600Vac/400Vdc
 — 500mA-5A
 — 6.3A-10A
 — 500Vac/400Vdc

Amps — 500mA-10A

IR — 35A @ 250Vac

Agency information: cURus, CCC, CQC, TUV, PSE/JET.

See data sheet for complete agency information. Not all approvals apply to all ratings.

Features and benefits

- Time-delay, high breaking capacity
- Conforming to IEC standards

Typical applications

- Power supplies - adapters
- Desktops/notebooks

Catalog numbers (amps)

Catalog numbers	Typical I^2t (A ² s) ¹	Max voltage drop (mV) ³
S505H-500-R	0.188	295
S505H-800-R	0.632	189
S505H-1-R	1.28	153
S505H-1.25-R	2.22	150
S505H-1.6-R	6.78	125
S505H-2-R	11.44	128
S505H-2.5-R	24.23	126
S505H-3.15-R	43.55	121
S505H-4-R	38.45	90
S505H-5-R	71.3	89
S505H-6.3-R	111.4	80
S505H-8-R	228.2	76
S505H-10-R	349.5	72

1. Typical Pre-Arc I^2t : Measured at 10I_N DC.
2. - Breaking Capacity of 250VAC/1500A is tested by all agency approvals, test condition is 250Vac, PF: 0.7-0.8.
 - Breaking Capacity of Max. voltage is tested by UL, PF:1.
 - Breaking Capacity Test of DC is tested by UL under Capacitor Bank 4800mF (for 400V, 1500A) 2400mF (for 400V, 500A).
3. Typical Voltage Drop: Voltage drop is measured under ambient 20°C with rated current.

Options

Axial leads, put "V" in P/N.

S506-V (GDC-V)* (axial leads)**S506 (GDC)*****Specifications****Description:** Time-delay, low-breaking capacity fuse.**Construction:** Glass tube, nickel-plated brass endcaps.**Ratings:**

Volts — 250Vac (or less)
 — 32Vdc (self certified)
 Amps — 32mA-15A**
 IR — 35A @ 250Vac

Agency information: UR, CSA, cURus, SEMKO, VDE, BSI, IMQ, PSE/JET, CCC.

See data sheet for complete agency information. Not all approvals apply to all ratings.

Features and benefits

- Time-delay compatibility for inductive circuits
- Conforming to IEC standards

Typical applications

- Electronic circuits

Catalog numbers (amps)

Catalog numbers	Typical I^2t	Max voltage drop (mV)
S506-32-R	0.0051	1050
S506-40-R	0.0072	920
S506-50-R	0.0095	800
S506-63-R	0.021	760
S506-80-R	0.038	580
S506-100-R	0.045	490
S506-125-R	0.063	390
S506-160-R	0.093	320
S506-200-R	0.114	340
S506-250-R	0.265	270
S506-315-R	0.621	250
S506-400-R	0.872	210
S506-500-R	0.827	140
S506-630-R	1.33	150
S506-800-R	2.78	75
S506-1-R	6.45	87.5
S506-1.25-R	10.05	86
S506-1.6-R	21.7	82
S506-2-R	31.6	77
S506-2.5-R	59.4	72.5
S506-3.15-R	96.4	68.5
S506-4-R	71.8	67
S506-5-R	142.5	60.5
S506-6.3-R	237.6	54
S506-8-R	255.8	55
S506-10-R	450	54
S506-12.5-R	1019.5	45
S506-15-R	1091.7	65.5

Options

Axial leads, put "V" in P/N.

*When ordering GDC version, do not add "-R" suffix to part number.

**GDC series is not available above 6.3A.