

## 5 x 20mm European (IEC) Ferrule Fuses

### 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 <sup>2</sup> 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 <sup>2</sup> 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 <sup>2</sup> 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 I<sup>2</sup>t value was measured at 10 times of rated current under DC.

##### Options

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

Data Sheet: 2037

Electronic Fuses