

## 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 end-caps.

##### Ratings:

Volts — 250Vac (or less)  
Amps — 32mA-16A  
IR — 35A @ 250Vac



**Agency Information:** CE, Designed to IEC 60127-Sheet II British Standard Approval SEMKO Approval VDE Approval, IMQ UL Recognized, Guide JDYX2, File E19180, 32mA-6.3A.

##### Features and Benefits

- Fast-acting for maximum protection, conforms to IEC standards.

##### Typical Applications

- Electronic Circuits

##### Catalog Numbers (Amps)

Catalog Numbers	$I^2t$	Max Voltage Drop (mV)
S500-32	0.000047	10000
S500-40	0.00011	8000
S500-50	0.00020	3200
S500-63	0.00057	2500
S500-80	0.0012	2200
S500-100	0.003	2100
S500-125	0.005	2000
S500-160	0.008	1950
S500-200	0.016	1600
S500-250	0.028	1400
S500-315	0.058	1150
S500-400	0.018	950
S500-500	0.018	220
S500-630	0.035	220
S500-800	0.067	180
S500-1	0.60	200
S500-1.25	0.84	200
S500-1.6	1.6	190
S500-2	4.2	160
S500-2.5	6.1	145
S500-3.15	13	130
S500-4	22	120
S500-5	42	115
S500-6.3	69	110
S500-8*	—	—
S500-10*	—	—
S500-12*	—	—
S500-16*	—	—

\*IEC Standard 127 Sheet II does not include ratings above 6.3A.

##### Options

Axial leads, put "V" in P/N,  
RoHS compliant, put "R" suffix in P/N.  
Example: S500-V-1.25-R.

Data Sheet: 2015

### S501-V (GDA-V) (axial leads)

#### S501 (GDA)

##### Specifications

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

##### Construction:

Ceramic tube, nickel-plated brass end-caps.

##### Ratings:

Volts — 250Vac (or less)  
Amps — 50mA-6.3A  
IR — 1500A @ 250Vac



**Agency Information:** CE, UL Recognized, Guide JDYX2, File E19180, 50mA and 315mA-6.3A SEMKO Approval 50mA, 200mA and 315mA-6.3A, IEC 60127-Sheet I, VDE Approval 1.25A-6.3A.

##### 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	$I^2t$	Max Voltage Drop (mV)
S501-50	0.0017	9000
S501-63	0.0005	3300
S501-80	0.0011	2600
S501-100	0.0018	2300
S501-125	0.0037	1900
S501-160	0.008	1600
S501-200	0.020	1350
S501-250	0.027	1300
S501-315	0.010	1400
S501-400	0.018	1200
S501-500	0.038	1050
S501-630	0.064	1200
S501-800	0.097	490
S501-1	0.480	230
S501-1.25	0.9	200
S501-1.6	1.9	180
S501-2	2.0	205
S501-2.5	3.9	190
S501-3.15	8.1	160
S501-4	14	160
S501-5	25	155
S501-6.3	48	150

##### Options

Axial leads, put "V" in P/N,  
RoHS compliant, put "R" suffix in P/N.  
Example: S501-V-1.25-R.

Data Sheet: 2014

### S506-V (GDC-V) (axial leads)

#### S506 (GDC)

##### Specifications

**Description:** Time-delay, low-breaking capacity fuse.

##### Construction:

Glass tube, nickel-plated brass end-caps.

##### Ratings:

Volts — 250Vac (or less)  
Amps — 32mA-6.3A  
IR — 35A @ 250Vac



**Agency Information:** CE, Designed to IEC 60127-Sheet III British Standard Approval SEMKO Approval VDE Approval, IMQ UL Recognized, Guide JDYX2, File E19180, 32mA-6.3A.

##### Features and Benefits

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

##### Typical Applications

- Electronic Circuits

##### Catalog Numbers (Amps)

Catalog Numbers	$I^2t$	Max Voltage Drop (mV)
S506-32	0.0014	1050
S506-40	0.0034	920
S506-50	0.006	800
S506-63	0.012	760
S506-80	0.015	580
S506-100	0.022	490
S506-125	0.034	390
S506-160	0.052	320
S506-200	0.078	340
S506-250	0.17	270
S506-315	0.41	250
S506-400	0.61	210
S506-500	0.75	168
S506-630	1.3	158
S506-800	3.1	132
S506-1	3.6	85
S506-1.25	7	80
S506-1.6	10	80
S506-2	17	80
S506-2.5	34	80
S506-3.15	56	75
S506-4	91	75
S506-5	133	75
S506-6.3	270	65

##### Options

Axial leads, put "V" in P/N,  
RoHS compliant, put "R" suffix in P/N.  
Example: S506-V-1.25-R.

Data Sheet: 2016