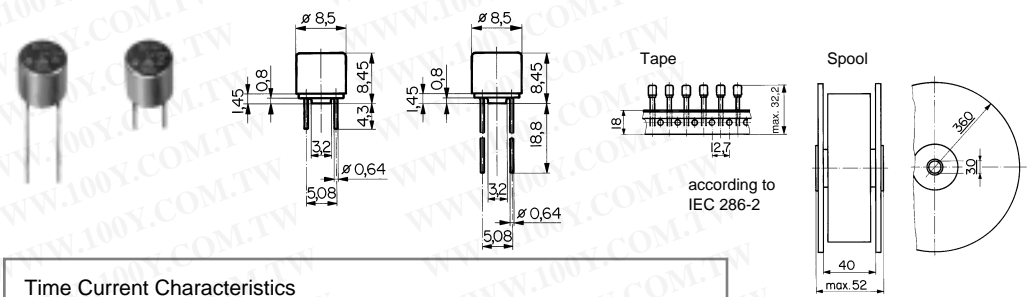
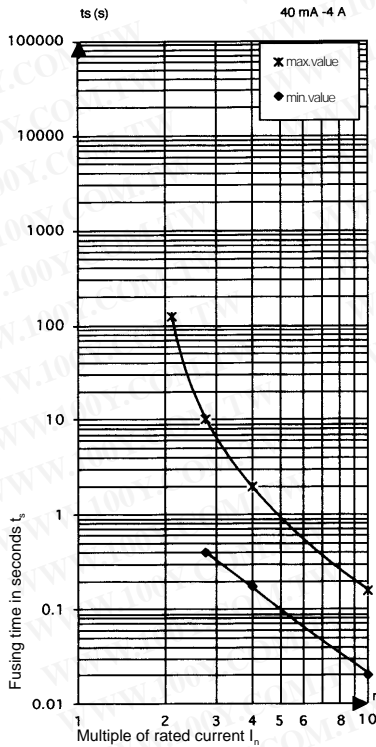


MST 250V Time-lag Microfuse – Low Breaking Capacity

Built according to EN 60127, IEC 127-3/4, DIN/VDE 0820, SEMKO SS-428-05-22. UL, CSA approval tests according to manufacturer specifications.

Approvals:

| | | | |
|-------|-------------|-------------|-------------------------|
| UL | recognition | 63mA – 6.3A | File #E41599 |
| CSA | acceptance | 63mA – 6.3A | File #LR51172 |
| VDE | approval | 63mA – 4A | File #71675 |
| SEMKO | approval | 63mA – 4A | File numbers on request |
| SEV | approval | 63mA – 6.3A | |



| rated current I_n | $2.1 \cdot I_n$ | | $2.75 \cdot I_n$ | | $4 \cdot I_n$ | | $10 \cdot I_n$ | |
|---------------------|-----------------|--------|------------------|--------|---------------|-------|----------------|--|
| | max. | min. | max. | min. | max. | min. | max. | |
| continuous | 2 min. | 400 ms | 10 s | 150 ms | 3 s | 20 ms | 150 ms | |

Optional 250V microfuse holder, order number FMS 0031.7601. See page 86 for technical information.

Technical Data

| | |
|------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Ambient temperature max. T_{amb} | -40°C to +85°C |
| Capacity at different T_{amb} | 1 x I_n up to max. 40°C 0.9 x I_n up to max. 85°C |
| Vibration resistance | Frequency 10-2000 Hz, cross-over frequency 60 Hz < 60 Hz, constant amplitude 1.5mm > 60 Hz, constant acceleration at 100 m/s ² (10g) acc. to IEC 68-2-6 / Fc |
| Shock resistance | 50 g, 11 ms (IEC 68-2-27) |
| Climatic category | HPF according to DIN 40040 |
| Solderability | 235°C / 2s according to IEC 68-2-20 / Ta (DIN 40046) |
| Soldering heat resistance | 260°C / 10s according to IEC 68-2-20 / Tb (DIN 40046) |
| Materials | Socket and cap made of temperature resistant plastic (UL 94 V-0) |
| Terminals | Copper, tin-plated |

| Order Numbers Series MST | | | Rated current / rated voltage mA / A / V ~ | Breaking capacity A ~ | Voltage drop at I_n | | Power dissipation at $1.5 \cdot I_n$ | | Fusing $I^2 t$ $t < 10ms$ A ² s | Approvals | | | | |
|--------------------------|------------------|-------------------------------|-----------------------------------------------|-------------------------------------------------------------------------------|-----------------------|---------------------|--------------------------------------|------------------------|--------------------------------------------------|-----------|-----|-----|-------|-----|
| Short leads black | Long leads black | Taped/reeled long leads black | | | max. IEC 127 mV | typical Schurter mV | max. IEC 127 Watts | typical Schurter Watts | | UL | CSA | VDE | SEMKO | SEV |
| 0034.6603 | 0034.6703 | 0034.6803 | 63 mA / 250V | 35 A or 10 • I_n / 250V AC (p.f. = 1) acc. to IEC 127-3/4 | 480 | 420 | 0.17 | 0.07 | 0.050 | • | • | • | • | • |
| 0034.6604 | 0034.6704 | 0034.6804 | 80 mA / 250V | | 400 | 360 | 0.17 | 0.08 | 0.064 | • | • | • | • | • |
| 0034.6605 | 0034.6705 | 0034.6805 | 100 mA / 250V | | 350 | 320 | 0.17 | 0.09 | 0.081 | • | • | • | • | • |
| 0034.6606 | 0034.6706 | 0034.6806 | 125 mA / 250V | | 300 | 270 | 0.18 | 0.09 | 0.120 | • | • | • | • | • |
| 0034.6607 | 0034.6707 | 0034.6807 | 160 mA / 250V | | 280 | 190 | 0.19 | 0.08 | 0.241 | • | • | • | • | • |
| 0034.6608 | 0034.6708 | 0034.6808 | 200 mA / 250V | | 260 | 150 | 0.20 | 0.08 | 0.340 | • | • | • | • | • |
| 0034.6609 | 0034.6709 | 0034.6809 | 250 mA / 250V | | 240 | 120 | 0.22 | 0.08 | 0.600 | • | • | • | • | • |
| 0034.6610 | 0034.6710 | 0034.6810 | 315 mA / 250V | | 220 | 120 | 0.25 | 0.01 | 0.754 | • | • | • | • | • |
| 0034.6611 | 0034.6711 | 0034.6811 | 400 mA / 250V | | 200 | 110 | 0.28 | 0.1 | 1.088 | • | • | • | • | • |
| 0034.6612 | 0034.6712 | 0034.6812 | 500 mA / 250V | | 190 | 100 | 0.31 | 0.1 | 2.575 | • | • | • | • | • |
| 0034.6613 | 0034.6713 | 0034.6813 | 630 mA / 250V | 180 | 90 | 0.36 | 0.1 | 4.247 | • | • | • | • | • | |
| 0034.6614 | 0034.6714 | 0034.6814 | 800 mA / 250V | 160 | 80 | 0.43 | 0.2 | 8.064 | • | • | • | • | • | |
| 0034.6615 | 0034.6715 | 0034.6815 | 1 A / 250V | 140 | 70 | 0.5 | 0.2 | 11.900 | • | • | • | • | • | |
| 0034.6616 | 0034.6716 | 0034.6816 | 1.25 A / 250V | 130 | 70 | 0.6 | 0.3 | 15.781 | • | • | • | • | • | |
| 0034.6617 | 0034.6717 | 0034.6817 | 1.6 A / 250V | 120 | 60 | 0.73 | 0.3 | 29.440 | • | • | • | • | • | |
| 0034.6618 | 0034.6718 | 0034.6818 | 2 A / 250V | 100 | 60 | 0.87 | 0.3 | 33.600 | • | • | • | • | • | |
| 0034.6619 | 0034.6719 | 0034.6819 | 2.5 A / 250V | 100 | 50 | 1.0 | 0.4 | 55.000 | • | • | • | • | • | |
| 0034.6620 | 0034.6720 | 0034.6820 | 3.15 A / 250V | 100 | 50 | 1.2 | 0.5 | 76.403 | • | • | • | • | • | |
| 0034.6621 | 0034.6721 | 0034.6821 | 4 A / 250V | 100 | 50 | 1.4 | 0.5 | 140.00 | • | • | • | • | • | |
| 0034.6622* | 0034.6722* | 0034.6822 * | 5 A / 250V | 60 | 60 | 0.7 | 0.7 | 230.00 | • | • | • | • | • | |
| 0034.6623* | 0034.6723* | 0034.6823 * | 6.3 A / 250V | 50 | 50 | 0.95 | 0.95 | 266.00 | • | • | • | • | • | |

* Built according to manufacturer's specifications. Not mentioned in IEC standards.
 Taped and reeled fuses in 750 piece quantities.