



022685 SERIES RAILROAD SIGNALING SYSTEMS PROTECTOR

Track and Signal Surge Protection

The 022685 Series from Siemens Mobility provides advanced high speed, high current silicon surge protection for railroad circuits. Designed for standard AAR terminals the 022685 is field tested and proven to increase railroad signaling systems performance, decrease maintenance costs and improve profitability.

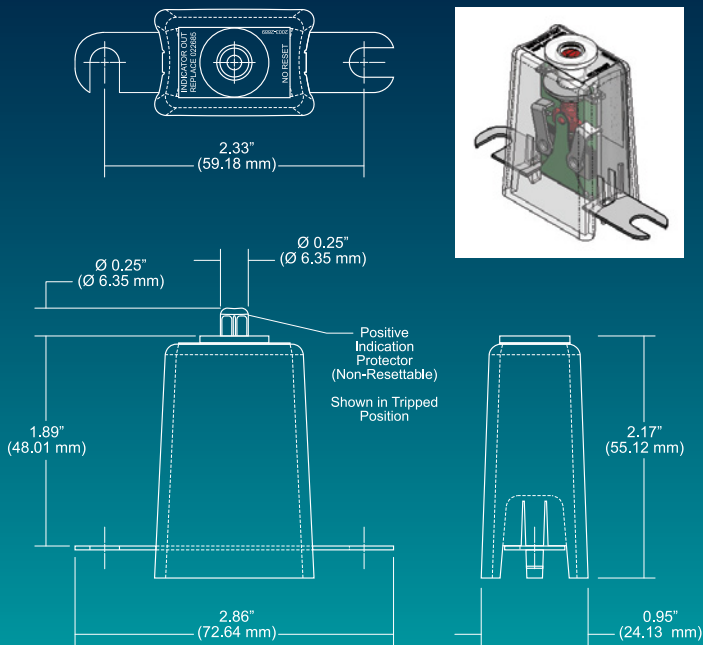
Features

- Very Low-Voltage Protection Levels
- Meets AREMA Guidelines for Primary Surge Protection
- Compact AAR Terminal Installation
- Fusing for Safe-Fail in Case of Self-Sacrifice
- Status Indication
- Bidirectional Device

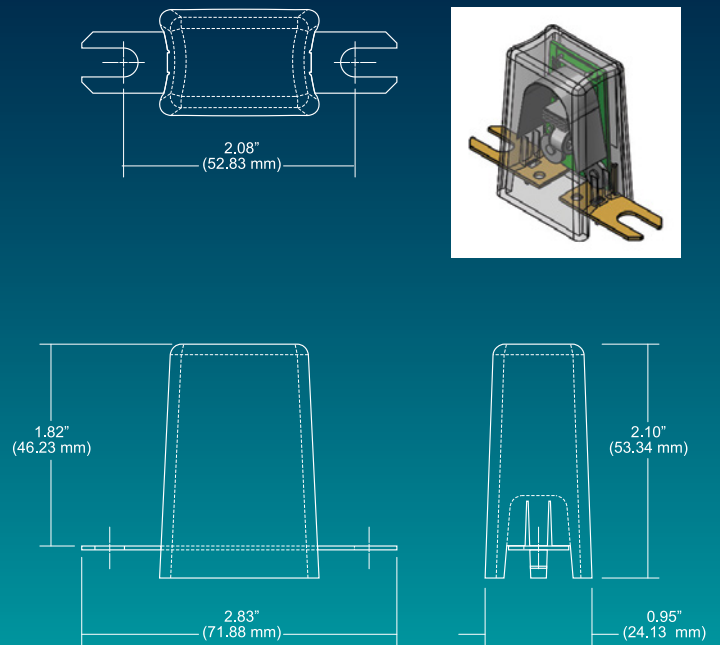
Engineered to increase railroad signaling systems performance.

SIEMENS

022685-T1



022685-T2



Specifications

	022685 DUAL DIODE	022685 HYBRID
Part Number	022685-T1	022685-T2
Technology	Silicon (SASD) w/ thermal fuse disconnect	Hybrid Silicon & Gas Discharge Tube (SASD & GDT)
Nominal Voltage	50 VDC	12 VDC, 12 Vac
MCOV	55 VDC	55 VDC, 35 Vac
Voltage Protection Level @ 3 kA 8/20 μs	140 V @ 3 kA 8/20 μs	195 V @ 3 kA 8/20 μs
Voltage Protection Level @ 20 kA 8/20 μs	180 V @ 20 kA 8/20 μs	290 V @ 20 kA 8/20 μs
Leakage Current	20 μA @ 50 VDC	≤10 μA @ 50 Vd
Status Indication	Spring release indicator	Paper indicator
Bidirectional	Yes	Yes
Location	Indoor	Indoor
Mounting	AAR Rail Terminal Block	AAR Rail Terminal Block
Weight	0.3 lb	0.1 lb
Dimensions	2.86" x 0.95" x 2.17"	2.83" x 0.95" x 2.10"
Operating Temperature	-40 °C to +85 °C	-40 °C to +75 °C

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