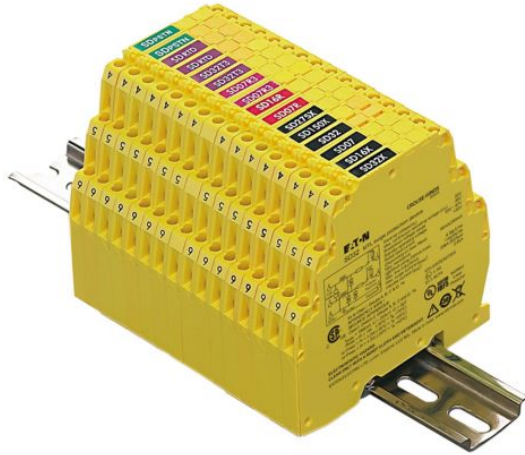


# Specifications



## Eaton SD55X

Eaton Crouse-Hinds series MTL SD surge protector, 38 Vac, 55 Vdc, 5kA surge current, 400mA, T-section DIN rail, <90V voltage protection level, 12 AWG, Low resistance

### General specifications

<b>PRODUCT NAME</b>	Eaton Crouse-Hinds series MTL SD surge protector
<b>PRODUCT NAME</b>	Eaton Crouse-Hinds series MTL SD surge protector
<b>CATALOG NUMBER</b>	SD55X
<b>PRODUCT LENGTH/DEPTH</b>	99 mm
<b>PRODUCT HEIGHT</b>	101.3 mm
<b>PRODUCT WIDTH</b>	7 mm
<b>PRODUCT WEIGHT</b>	70 g



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## Product specifications

<b>AREA CLASSIFICATION</b>	Hazardous/Classified Locations
<b>STANDARDS TYPE</b>	IEC NEC/CEC IECEX/ATEX
<b>IECEX/ATEX HAZARDOUS RATING</b>	Zone 2
<b>INGRESS PROTECTION (IP) RATINGS</b>	IP54
<b>MOUNTING METHOD</b>	T-section DIN rail
<b>SPECIAL FEATURES</b>	Low resistance
<b>FREQUENCY</b>	25 kHz
<b>RESPONSE TIME</b>	<1ns
<b>CATEGORY TESTED ACC. IEC 61643-21</b>	A2, B2, C1, C2, C3, D1
<b>CONDUCTOR CROSS-SECTION AWG</b>	12 AWG
<b>MINIMUM AMBIENT OPERATING TEMPERATURE</b>	-40 °C
<b>MAXIMUM AMBIENT OPERATING TEMPERATURE</b>	80 °C
<b>MINIMUM AMBIENT STORAGE TEMPERATURE</b>	-40 °C
<b>MAXIMUM AMBIENT STORAGE TEMPERATURE</b>	80 °C
<b>HUMIDITY</b>	5-95% RH (non-condensing)
<b>MODES OF PROTECTION</b>	For protecting electronic equipment and systems against surges on signal and I/O cabling
<b>NOMINAL VOLTAGE AC</b>	38V
<b>NOMINAL VOLTAGE DC</b>	55V
<b>NOMINAL DISCHARGE SURGE CURRENT (8/20)</b>	5 kA
<b>LIGHTNING IMPULSE CURRENT (10/350 MS)</b>	2.8 kA
<b>NOMINAL LOAD CURRENT</b>	400mA
<b>VOLTAGE PROTECTION LEVEL AT IN</b>	100V
<b>VOLTAGE PROTECTION LEVEL AT 1KV/MS</b>	<90V
<b>SERIES RESISTANCE (Ω/LINE)</b>	2.2Ω
<b>MAX. LEAKAGE CURRENT</b>	5μ A

## Resources

<b>MAX. CONTINUOUS VOLTAGE AC</b>	62V
<b>IEC</b>	IEC/EN 61643-21

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**PROJECT NAME:**

**PROJECT NUMBER:**

**PREPARED BY:**

**DATE:**

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