

SCM5B-PROTO

Breadboard Kit

Description

The SCM5B-PROTO breadboard kit was designed to allow users to incorporate their own module functions using an SCM5B format. The kit includes a pc board

designed for breadboard circuits, a module case, header and mounting screw. Contact the factory for additional information.

SCMXRAIL1-XX, SCMXRAIL2-XX, SCMXRAIL3-XX

DIN Rail

Description

Three styles of DIN RAIL are available, specify length when ordering.

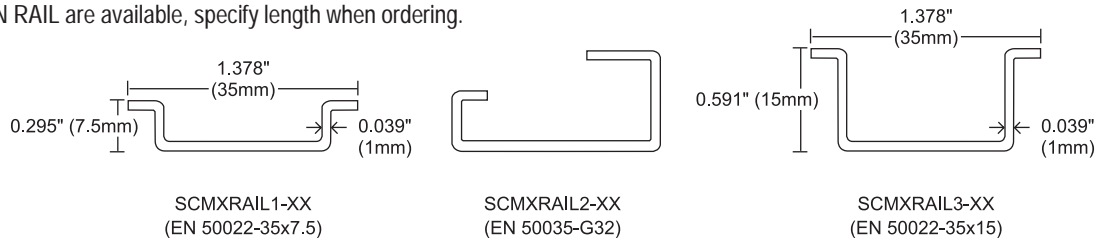


Figure 24: DIN Rail Styles

SCMXPRT-001/D, SCMXPRT-001/D



Power Supplies

Description

The SCMXPRT-001/D and SCMXPRT-001/D encapsulated power supplies are available in 120VAC or 220VAC input voltage ranges and provide 5VDC outputs suitable for all SCM5B modules. They are designed to mount on the SCMXRK-002 metal rack or DIN rail EN 50022-35x7.5 (D versions). The supplies are UL-recognized. Their compact size and low weight are ideal for high-density applications (see Figure 25).

Specifications

Module	SCMXPRT-001/D	SCMXPRT-001/D
Input Voltage Range, 47Hz to 63Hz	105-125VAC	200-240VAC
Output Voltage	5VDC	5VDC
Output Current, +50°C	1A (derate 2.5%/°C above +50°C)	1A
Operating Temperature	-25°C to +71°C	-25°C to +71°C
Dielectric Withstand V (Input to Ground)	2500Vrms	2500Vrms
Line Regulation	±0.05%	±0.05%
Load Regulation	±0.15%	±0.15%
Output Ripple, max	2mVrms	2mVrms
Overvoltage Protection	6.2V	6.2V
Weight	1.25 lbs (567g)	1.25 lbs (567g)

Supplies are UL recognized, File No. E65890.

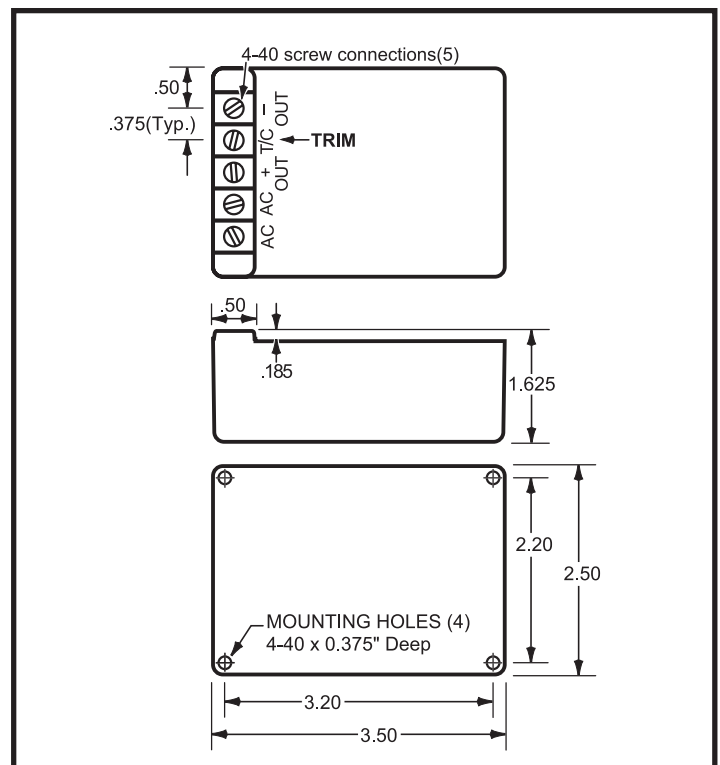


Figure 25: SCMXPRT-001/D and SCMXPRT-001/D Physical Dimensions

SCMXPRT-003, SCMXPRE-003



Power Supplies

Description

The SCMXPRT/E-003 Linear Power Supplies are available in 120VAC or 220VAC input. They have sufficient output current capacity to supply any combination of SCM5B modules. The SCMXRK-002 metal rack provides mounting capability for the SCMXPRT/E-003 power supplies (see Figure 26).

Specifications

Module	SCMXPRT-003	SCMXPRE-003
Input Voltage Range, 47Hz to 63Hz	104-132VAC	207-265VAC
Output Voltage	5VDC ±1%	5VDC ±1%
Output Current (at +70°C)	3A	3A
Output Current (at +50°C)	6A	6A
Operating Temp	0 to +70°C	0 to +70°C
Dielectric Withstand Voltage (input to ground)	3750VAC	3750VAC
Line Regulation (10% line change)	±0.05%	±0.05%
Load Regulation (50% load change)	±0.05%	±0.05%
Output Ripple (max)	5mVp-p	5mVp-p
Overvoltage Protection (factory set)	6.2V ±0.4V	6.2V ±0.4V

Both supplies are tested and certified by TUV to VDE 0806 and IEC 380. They are UL Recognized (File Number E55974) and CSA Certified (CSA File Number LR38879).

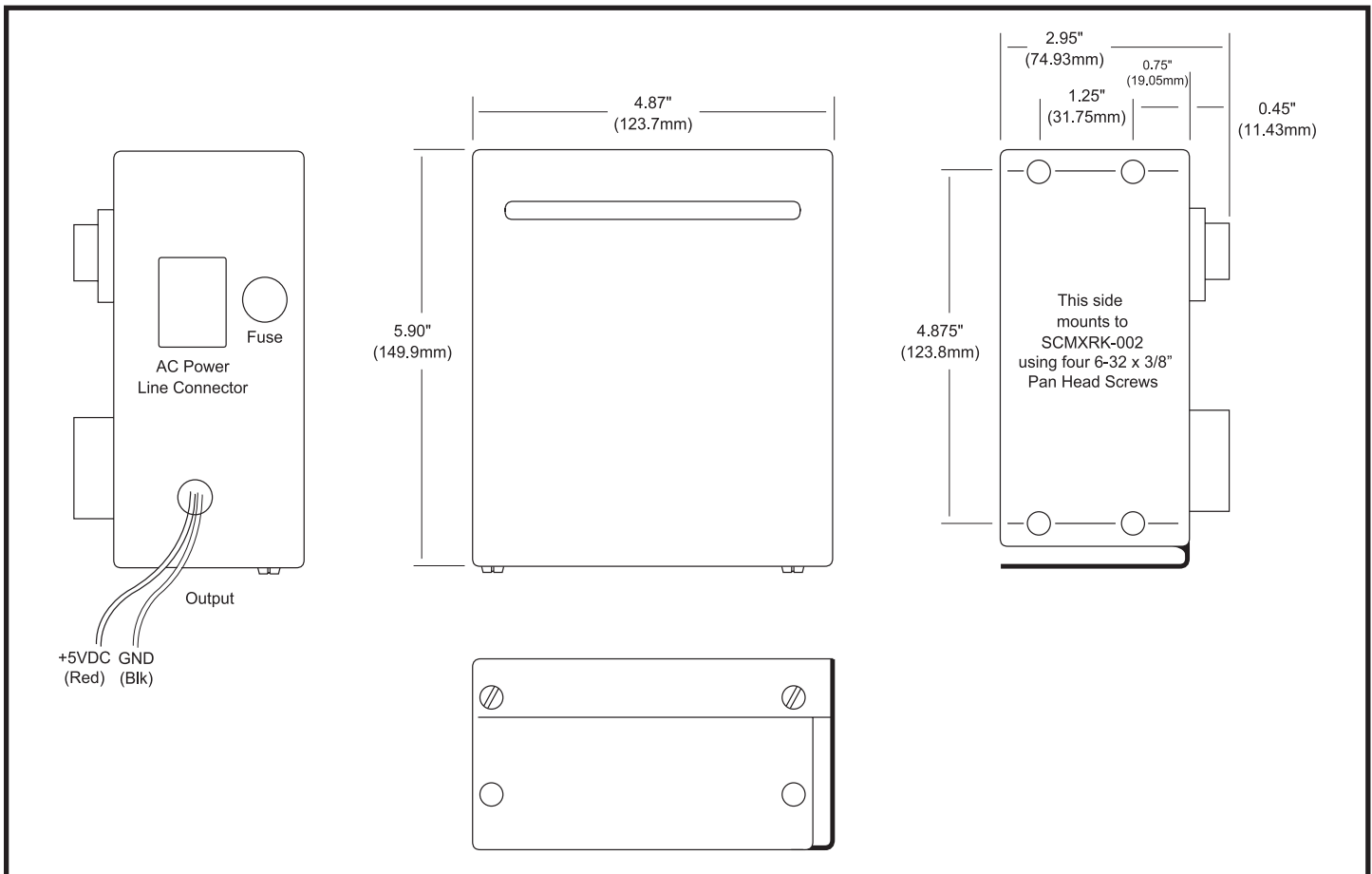


Figure 26: SCMXPRT-003 and SCMXPRE-003 Physical Dimensions