

# Roxburgh RIP/RIQ Series EMI Filters

## Single-phase Power Entry Module with Filter, Fuse and Switch

The Roxburgh RIP/RIQ Series Power Entry Modules are specifically designed as single-stage line filters for 120/240V AC devices where fusing and a power switch are desired. They provide good performance for both common mode and

differential mode interference and are rated at 250V. RIP filters are thru-hole flange mounted with screws. RIQ modules are designed to be through-hole snap-in style.

### Features

- 120/240V AC/DC, 50/60 Hz, single-phase
- 2A, 4A and 6A models
- One replaceable 5mm x 20mm glass fuse included in each module
- One spare 5mm x 20mm glass fuse included in each module fuse tray
- Metal case, miniature type
- Through-hole mount – Snap-in or Flanged
- 1/4" quick disconnect
- ON – OFF DPST switch
- Filter performance curves are available on item page at: [www.automationdirect.com](http://www.automationdirect.com)

### Applications

- Ideally suited for products that must conform to part 15, FCC regulations
- Digital Electronics
- Personal computers and peripherals
- Measuring instruments
- Small equipment applications
- Monitors and display units

### Standards and Certifications



RIP Module

RIQ Module

RIP Module  
with fuse tray removedRIP/RIQ Module Protective Sleeve  
SLV47

RIP/RIQ Power Entry Modules		
Part Number	Price	Description
<a href="#">RIP-0242-H2</a>	\$38.00	IEC Inlet Filter 120/240VAC, 1-ph, 2A, SW/Fused, screw fix
<a href="#">RIP-0442-H2</a>	\$39.50	IEC Inlet Filter 120/240VAC, 1-ph, 4A, SW/Fused, screw fix
<a href="#">RIP-0642-H2</a>	\$37.50	IEC Inlet Filter 120/240VAC, 1-ph, 6A, SW/Fused, screw fix
<a href="#">RIQ-0242-H2</a>	\$35.00	IEC Inlet Filter 120/240VAC, 1-ph, 2A, SW/Fused, snap
<a href="#">RIQ-0442-H2</a>	\$36.00	IEC Inlet Filter 120/240VAC, 1-ph, 4A, SW/Fused, snap
<a href="#">RIQ-0642-H2</a>	\$38.50	IEC Inlet Filter 120/240VAC, 1-ph, 6A, SW/Fused, snap
<a href="#">SLV47</a>	\$3.25	Protective boot for RIP/RIQ series

General Specifications	
<b>Voltage Rating</b>	0-240V AC/DC 0-60 Hz
<b>Voltage Max.</b>	250V
<b>Voltage Withstand</b>	1500VAC
<b>Phase</b>	1
<b>UL/IEC Pollution Class</b>	Degree II
<b>Humidity</b>	93% RH (non-condensing)
<b>Overload Current</b>	135% 2 hrs, 150% 60s
<b>Insulation Resistance</b>	500V DC >3.5 M Ohms
<b>Climate Class (IEC 60068-1)</b>	-25/85/21
<b>Temperature Rating</b>	-13 to 185°F, -25° to 85°C
<b>Flammability (UL94)</b>	V-0
<b>Material</b>	Nickel Plated Steel
<b>Altitude*</b>	1000m (3000m with derating)
<b>Mounting Clearance</b>	>50mm Gap
<b>Agency Approval**</b>	CE (EN 60939-1), UR: File# E191581 (Standard: UL1283), CSA: File# 207414 (Standard: C22.2 No.8)

\* Derate 1% per 100m after 1000m; Max 3000m.

\*\*To obtain the most current agency approval information, see the Agency Approval Checklist section on the specific component part number web page.

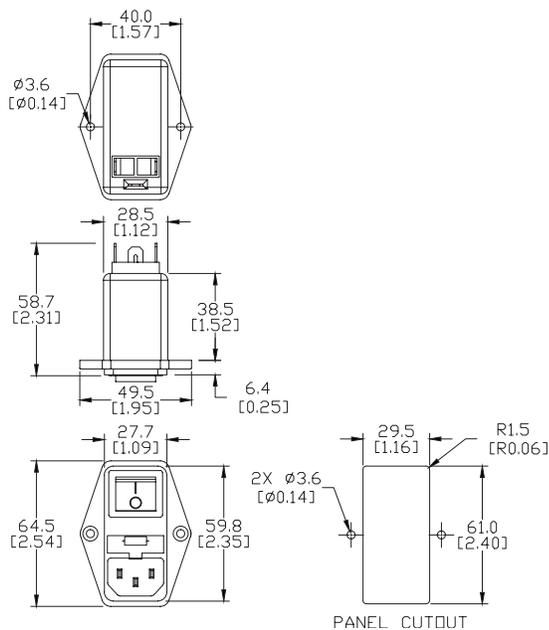
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Specifications						
Parameter	RIP-0242-H2	RIP-0442-H2	RIP-0642-H2	RIQ-0242-H2	RIQ-0442-H2	RIQ-0642-H2
Max. Power (kW)	0.5	1.0	1.5	0.5	1.0	1.5
Current Rating (A)	2	4	6	2	4	6
SCCR Rating (kA)	5					
Ingress Protection	IP20					
Temperature Rise	40°C	45°C		40°C	45°C	
Terminal Style	1/4" quick disconnect					
Operational Leakage Current (mA)	0.35					
Total Resistance, Line to Load (mΩ)	500	250	170	500	250	170
Residual Voltage (V@5s)	1V@5s					
Heat Dissipation (W)	2	4	6.12	2	4	6.12
Weight (lb [kg])	0.1 [0.045]					

## Dimensions

mm [inches]

RIP Filter (Flanged)



RIQ Filter (Snap-In)

