ROXBURGH EMC

RIS - Series

EMI/EMC FILTER

FEATURES

- A fuse holder and a double pole power ON/OFF switch.
- Suitable for the product that must conform to FCC, FTZ.
- Meet over voltage category of IEC 664 and comply with IEC 950.
- Uses IEC connector that meets the safety standards of virtually all certifying organizations.
- Good Shield effects by using metal case.

APPLICATIONS

- Digital equipment
- Measuring and medical instruments.
- Communication equipments.

Technical Data

Rated Voltage	~250VAC 50/60Hz
Rated Current	2~6A
Operating Temperature Range	-25ºC to+85ºC including temperature rise. VDE 0565-3: -2.3.3and-4.5
Climatic category	25/85/21acc,to IEC/EN60068-1
Leakage current measuring method	UL 1283 (3rd Edition): -26 and Fig26. 1 LC200 with 250V AC 60Hz
Withstand Voltage	1500V AC for 1 minute between line and ground. 1800V DC for 1 minute between line and line. Meet over voltage category II(2.5kV) of IEC 664.
Insulation Resistance	300MΩ minimum at 500V DC between line and ground.
Voltage Drop	1 volt maximum at rated current

Approval

RIS-**** - *	UL, CSA, TUV, SEMKO,

Marking

1. Trademark.
2. Model No.
3. Rated Voltage and Current
4. Climate category.
5. Circuit Diagram and Component Value
6. Lot No.
7. Approval

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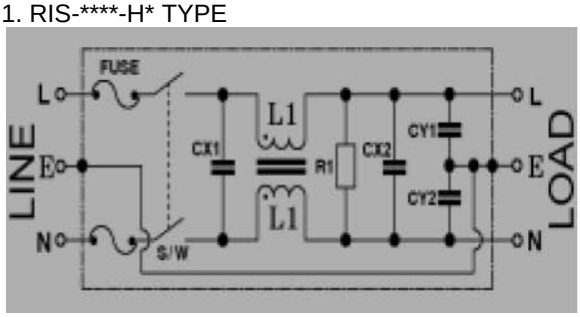
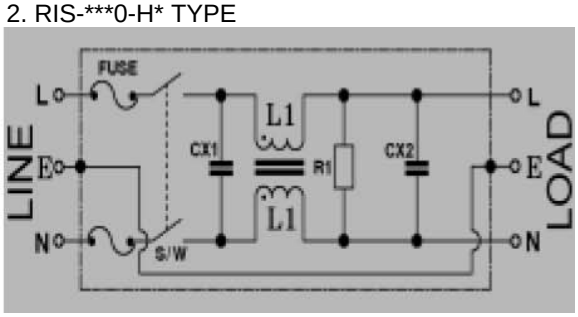
Model No.	Rated Voltage AC,DC[V]	Rated Current [A]	Fuse-Rated Current [A]	Inductance L1[mH], +50,-30%	X-Capacitor CX1[μF] ±20%	X-Capacitor CX2[μF] ±20%	Resistor R1Ω] ±10%	Y-Capacitor CY1,2[pF] ±20%	Leakage Current Max.[mA]	Temperature Rise Max.[℃]
RIS-02**-H	250	2	2	10.5r	*	*	*	*	*	40
RIS-04**-H*	250	4	4	4.2	*	*	*	*	*	45
RIS-06**-H*	250	6	6.3	1.6	*	*	*	*	*	45
RIS-**1*-H	*	*	*	*	0.1	*	*	*	*	*
RIS-**2*-H	*	*	*	*	0.22	*	*	*	*	*
RIS-****-H	*	*	*	*	*	0.1	1M,1/2W	*	*	*
RIS-****-H	*	*	*	*	*	0.22	510K,1/2W	*	*	*
RIS-***2-H	*	*	*	*	*	*	*	2200	0.35	*
RIS-***0-H	*	*	*	*	*	*	*	NONE	0.01	*
RIS-***C-H	*	*	*	*	*	*	*	330	0.075	*
RIS-***D-H*	*	*	*	*	*	*	*	470	0.1	*

Circuit Diagram

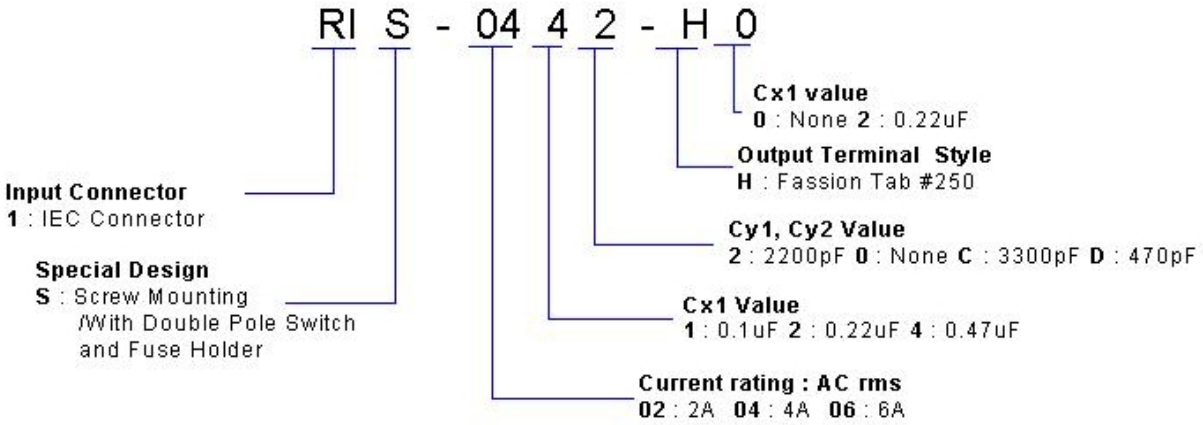
1. RIS-****-H* TYPE



2. RIS-***0-H* TYPE



Model Number Construction

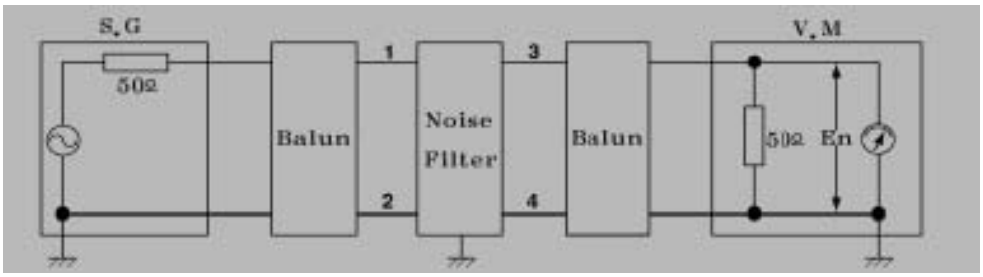


RIS - Series

Guaranteed Minimum Attenuation in (dB)

Model	Common mode [MHz]							Differential mode [MHz]						
	0.15	0.45	1	2	5	10	30	0.15	0.45	1	2	5	10	30
0212-H1	36	50	43	40	38	38	36	22	53	75	86	75	66	51
0222-H2	38	50	44	39	39	39	32	38	70	88	88	71	65	52
0412-H1	28	40	45	45	44	42	37	9	44	64	82	79	65	50
0422-H2	29	41	45	43	42	42	35	25	60	82	87	77	66	50
0612-H1	20	31	36	42	45	43	50	16	32	55	78	76	69	65
0622-H2	20	31	35	42	45	45	40	15	50	71	85	69	65	63

Attenuation Measuring Method



OSC Level : 0dB
Insertion loss = -20log(E1/E2) [dB]
E1 : Level with the Noise Filter in the circuit
E2 : Level without the Noise Filter in the circuit

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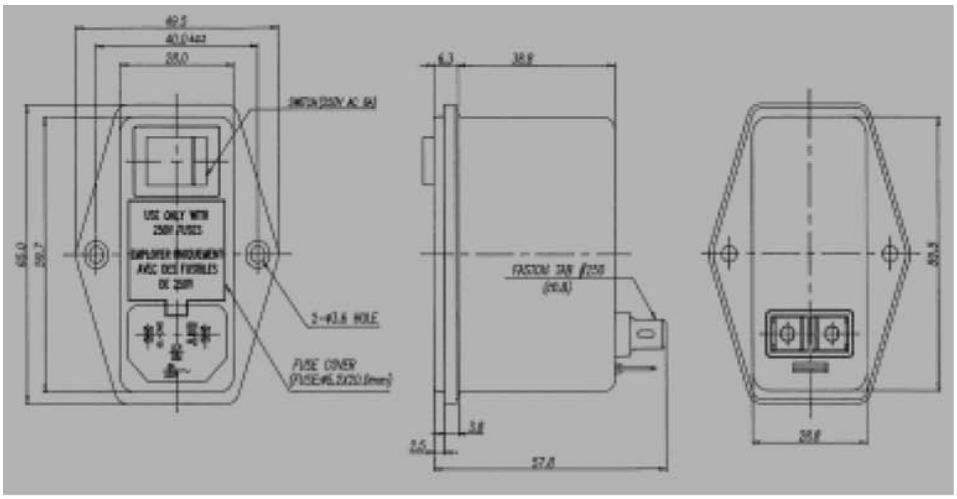
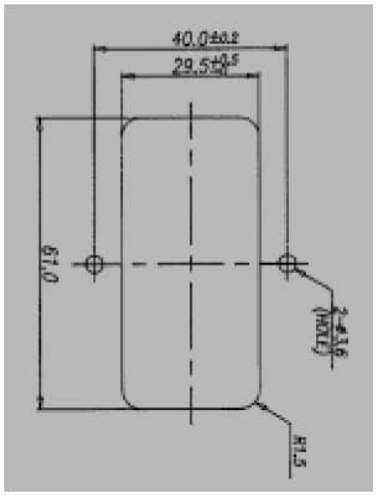
Shape and Dimension Unit : (mm





*General Tolerance: ± 1.0
Unit:mm
Metal Case