

DC Power line filter

HIGHLIGHTS

- High rejection of interference caused by switching power supplies and DC motor sparking
- Up to 50V and 20A
- Passive filtering
- DIN rail mount



DESCRIPTION

proFIL0120 removes interference from DC-power lines and protects sensitive communication equipment. It helps users to meet various EMC-standards. Proven performance specially with lighting, electrical drives and communication gateways.

Specifications (T _A =25°C)	
Model	proFIL 0120
Maximum Voltage/Current	50 VDC / 20 A
Interference rejection	Common mode attenuation: 400kHz – 100MHz: 15dB minimum Differential mode attenuation: 1MHz – 1GHz: 35dB minimum
Connectors / Terminals	Screw terminals 4mm ²
Resistance to ground	Insulated plastic body
Static discharge protection	N/A
Added capacitance	5uF

Mechanical and Environmental properties (T _A =25°C)	
Dimensions	length: 90 mm width: 36 mm (2 DIN rail units) height: 58 mm
Weight	120 g
Material	Plastic DIN-rail enclosure
Ingress protection	No ingress protection
Screw terminals	Philips driver, max torque 0.8Nm
Operational environment	-30° - +50° C
Standards	All proFIL™ products are to the standard of IEC60945 to insure safe operation in the environment on relevant parts. Some of the criteria are operating temperature, storage temperature, humidity, vibration, electromagnetic compatibility.