

MEF EMC-FILTER 3-PHASE 1-STAGE WITH NEUTRAL

I:18A U:4x500 VAC

Current: 18 A with neutral

with increased damping

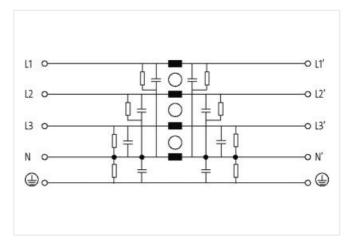
Attenuation curves on request.

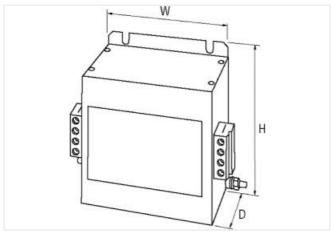
The 3-phase and 1-stage MEF 3/1 line suppression filters are used in the range 0.1...30 MHz to suppress conducted interference on mains and supply lines. They are suitable for TN-S, TN-C-S and TT networks. The best filter effect is achieved with short connecting lines (recommendation: PE connection < 10 cm) with the largest possible cross-sections. The mains suppression filters act bidirectionally (in both directions). They reduce symmetrical and asymmetrical interference, which often occurs in electronically controlled three-phase devices due to mains interference.

Link to Product

Illustration







Product may differ from Image



Commercial data

ECLASS-6.0 27130806



stay connected

ECLASS-6.1 27420201 ECLASS-7.0 27420290 ECLASS-8.0 27420290 ECLASS-9.0 27420290 ECLASS-10.1 27420208 ECLASS-11.1 27420208	
ECLASS-8.0 27420290 ECLASS-9.0 27420290 ECLASS-10.1 27420208	
ECLASS-9.0 27420290 ECLASS-10.1 27420208	
ECLASS-10.1 27420208	
ECLASS-11.1 27420208	
ECLASS-12.0 27420208	
ETIM-5.0 EC002498	
customs tariff number 85363030	
GTIN 4048879029094	
Packaging unit 1	
Electrical data	
Leakage current max. 15 mA @ 250 V AC, 50 Hz	
Electrical data Supply	
Power frequency 50 60 Hz	
Operating voltage AC max. 500 V	
Electrical data Input	
Phase number input 3	
Electrical data Output	
Overload current 18× (IN t) max. 0.5 ms; 1.5× (IN t) max. 1 min. (1× per hour)	
Installation	
Connection cross-section solid min. 0,2 mm ²	
Connection cross-section solid max. 10 mm ²	
Connection cross-section stranded/fine- stranded min. 0,2 mm ²	
Connection cross-section stranded/fine- stranded max. 6 mm ²	
AWG number solid min. 24	
AWG number solid max. 7	
AWG number stranded/fine stranded min. 24	
AWG number stranded/fine stranded max. 9	
Device protection Electrical	
Duration insulation test voltage 2 s	
Insulation test voltage L-L 3,1 kV	
Insulation test voltage L-N 3,3 kV	
Mechanical data Mounting data	
Mounting method screwed	
Height 153 mm	
Width 130 mm	
Depth 100 mm	
Environmental characteristics Climatic	
Climatic category (EN IEC 60068-1) 25/085/21	
Connection type 2	
Connection Screw terminals SK	
Family construction form terminal	
Gender female	
Color contact carrier gray No. of poles 4	
NO OLDORS 4	
PIN 1 L 1	

The information in this Product-PDF has been compiled with the utmost care. Liability for the correctness completeness and topicality of the information is restricted to gross negligence. Version: 2024-04-25



PIN 4	N
Connection	Screw terminals SK
Family construction form	terminal
Gender	female
Color contact carrier	gray
No. of poles	4
PIN 1	L 1'
PIN 2	L 2'
PIN 3	L 3'
PIN 4	N'