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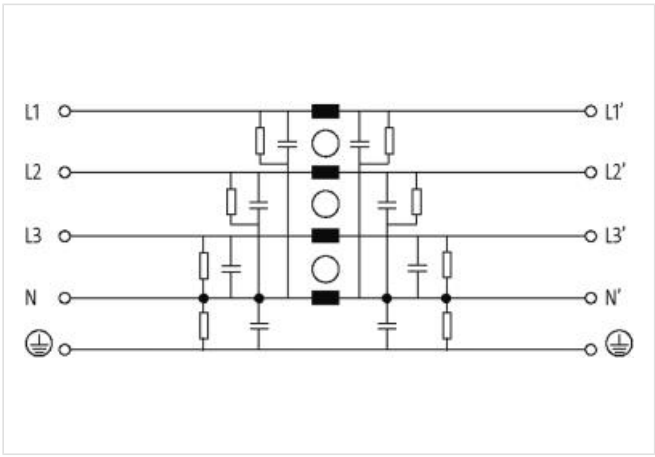
MEF EMC-FILTER 3-PHASE 1-STAGE WITH NEUTRAL

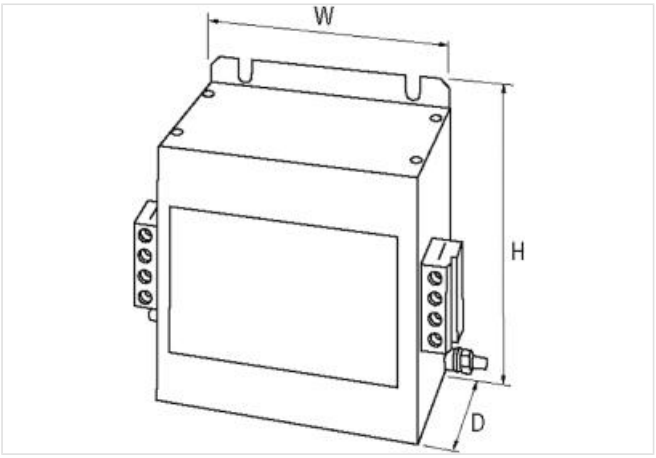
I:100A U:4x500 VAC

Current: 100 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

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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-12.0	27420208
ETIM-5.0	EC002498
customs tariff number	85363030
GTIN	4048879029063
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.	6 mm²
Connection cross-section solid max.	35 mm²
Connection cross-section stranded/fine-stranded min.	10 mm²
Connection cross-section stranded/fine-stranded max.	35 mm²
AWG number solid min.	9
AWG number solid max.	2
AWG number stranded/fine stranded min.	7
AWG number stranded/fine stranded max.	2
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	170 mm
Width	180 mm
Depth	140 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
PIN 1	L 1
PIN 2	L 2
PIN 3	L 3

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'