

**FF-EMC 42 54/230V BK****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com



For use near electromagnetic fields. Secure contact surface without the need for a beryllium copper seal and particularly environmentally friendly as no metal reinforced plastics are required.

**General ordering data**

Version	Filter fan, IP54, black
Order No.	<a href="#">2557360000</a>
Type	FF-EMC 42 54/230V BK
GTIN (EAN)	4050118567991
Qty.	1 pc(s).
Available until	2023-11-10

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## Technical data

## Dimensions and weights

Depth	103 mm	Depth (inches)	4.055 inch
Height	252 mm	Height (inches)	9.921 inch
Width	252 mm	Width (inches)	9.921 inch
Net weight	1,260 g		

## Temperatures

Operating temperature range	-40...55 °C
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## General data

Colour	black		
Current consumption	Mains frequency	50 Hz	
	Current	0.12 A	
	Mains frequency	60 Hz	
	Current	0.1 A	
EMC version	EN 61000-3-2,-3, EN 61000-6-2, 3		
Fan type	Shelf		
Filter class	G 4		
Fuse	6 A		
Height of installation cut-outs	224 mm		
MTBF	40,000 h		
Mounting depth	97 mm		
Mounting height	6 mm		
Noise emission	40 dB(A)		
Operating temperature range	-40...55 °C		
Power	Mains frequency	50 Hz	
	nominal	18 W	
	Mains frequency	60 Hz	
	nominal	17 W	
Protection class (UL)	Type 12		
Rated AC voltage	230 V		
Rated voltage	230 V AC $\pm$ 10%		
Size	4		
Type of connection	Spring contact		
Type of mounting	Snap-on		
UL 94 flammability rating	V-0		
Volume flow with exhaust filter	Mains frequency	50 Hz	
	Volume flow	116 m³/h	
	Exhaust filter	IP54	
	Mains frequency	60 Hz	
	Volume flow	127 m³/h	
Volume flow, free-blowing	Exhaust filter	IP54	
	Mains frequency	50 Hz	
	Volume flow	156 m³/h	
	Mains frequency	60 Hz	
Volume flow, free-blowing at 50 Hz	Volume flow	171 m³/h	
	Volume flow	171 m³/h	
Volume flow, free-blowing at 60 Hz	171 m³/h		
Width of installation cut-outs	224 mm		
With filter	Yes		

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ETIM 6.0	EC000320	ETIM 7.0	EC000320
ETIM 8.0	EC000320	ETIM 9.0	EC000320
ECLASS 9.1	27-18-07-16	ECLASS 10.0	27-18-07-16
ECLASS 11.0	27-18-07-16	ECLASS 12.0	27-18-07-16
ECLASS 13.0	27-18-07-16	ECLASS 14.0	27-18-07-16

**Environmental Product Compliance**

REACH SVHC	/
RoHS Compliance Status	Compliant without exemption

**Approvals**

ROHS	Conform
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**Downloads**

Approval/Certificate/Document of Conformity	<a href="#">EU Declaration of Conformity</a>
Engineering Data	<a href="#">CAD data – STEP</a>
User Documentation	<a href="#">Installation- and operating instructions</a>
Catalogues	<a href="#">Catalogues in PDF-format</a>

## FF-EMC 42 54/230V BK

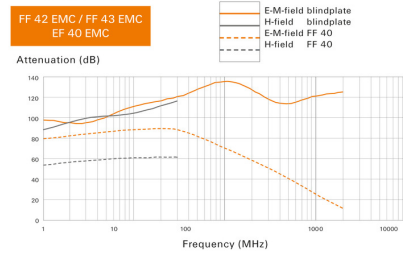
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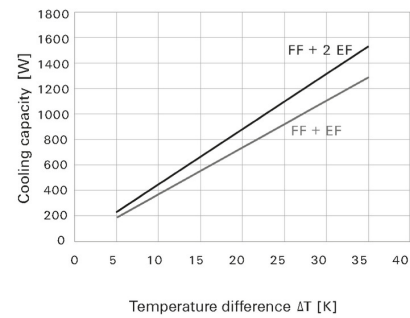
## Drawings

### Graph

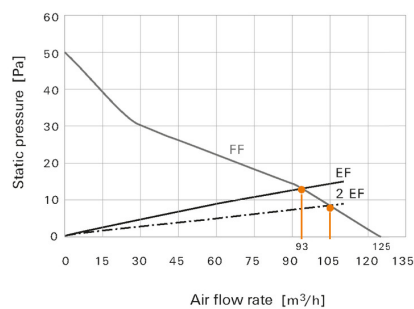
**Shielding effectiveness measurements**



### Graph



### Graph



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## Accessories

## Exhaust filter



The fluted filter mat of the IP 55 version extends the service life by up to 300% in comparison to conventional filter mats. Thought out details as the functional flap cover enable a fast and tool-less change of the filter mats which saves time and money.

## General ordering data

Type	EF-EMC 40 55 BK	Version
Order No.	<a href="#">2557680000</a>	Exhaust filter, IP55, black
GTIN (EAN)	4050118568325	
Qty.	1 pc(s).	
Type	EF-EMC 40 54 GY	Version
Order No.	<a href="#">2557650000</a>	Exhaust filter, IP54, grey
GTIN (EAN)	4050118568295	
Qty.	1 pc(s).	
Type	EF-EMC 40 55 GY	Version
Order No.	<a href="#">2557670000</a>	Exhaust filter, IP55, grey
GTIN (EAN)	4050118568318	
Qty.	1 pc(s).	
Type	EF-EMC 40 54 BK	Version
Order No.	<a href="#">2557660000</a>	Exhaust filter, IP54, black
GTIN (EAN)	4050118568301	
Qty.	1 pc(s).	

## Filter fan



The filter fans combine a safe and profitable cabinet cooling due to their low energy consumption by maximum air flow. The fluted filter mat of the IP 55 version extends the service life by up to 300% in comparison to conventional filter mats.

## General ordering data

Type	FF-FIMT 4X 55	Version
Order No.	<a href="#">2556800000</a>	Filter mat, IP55, white
GTIN (EAN)	4050118567427	
Qty.	5 pc(s).	
Type	FF-FIMT 4X 54	Version
Order No.	<a href="#">2556790000</a>	Filter mat, IP54, white
GTIN (EAN)	4050118567410	
Qty.	5 pc(s).	