

FF 43 54/230V BK**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com



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

Version	Filter fan, IP54, black
Order No.	2556830000
Type	FF 43 54/230V BK
GTIN (EAN)	4050 118567458
Qty.	1 pc(s).

Creation date December 4, 2023 12:08:50 PM CET

Catalogue status 24.11.2023 / We reserve the right to make technical changes.

FF 43 54/230V BK

Weidmüller Interface GmbH & Co. KG

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

Technical data

Dimensions and weights

Depth	119 mm	Depth (inches)	4.685 inch
Height	252 mm	Height (inches)	9.921 inch
Width	252 mm	Width (inches)	9.921 inch
Net weight	1,250 g		

Temperatures

Operating temperature range	-40...55 °C
-----------------------------	-------------

General data

Colour	black		
Current consumption	Mains frequency	50 Hz	
	Current	0.32 A	
	Mains frequency	60 Hz	
	Current	0.26 A	
EMC version	No		
Fan type	Roof fan		
Filter class	G 4		
Fuse	6 A		
Height of installation cut-outs	223 mm		
MTBF	40,000 h		
Mounting depth	113 mm		
Mounting height	6 mm		
Noise emission	42 dB(A)		
Operating temperature range	-40...55 °C		
Power	Mains frequency	50 Hz	
	nominal	45 W	
	Mains frequency	60 Hz	
	nominal	39 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	201 m ³ /h	
	Exhaust filter	IP54	
	Mains frequency	60 Hz	
	Volume flow	223 m ³ /h	
	Exhaust filter	IP54	
Volume flow, free-blowing	Mains frequency	50 Hz	
	Volume flow	223 m ³ /h	
	Mains frequency	60 Hz	
	Volume flow	247 m ³ /h	
Volume flow, free-blowing at 50 Hz	223 m ³ /h		
Volume flow, free-blowing at 60 Hz	247 m ³ /h		
Width of installation cut-outs	223 mm		
With filter	Yes		
With protective cover	Yes		

Creation date December 4, 2023 12:08:50 PM CET

Catalogue status 24.11.2023 / We reserve the right to make technical changes.

2

FF 43 54/230V BK

Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 26
D-32758 Detmold
Germany

www.weidmueller.com

Technical data

Classifications

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	27180716		

Approvals

Approvals



ROHS	Conform
UL File Number Search	UL Website
Certificate No. (cURus)	E252704

Downloads

Approval/Certificate/Document of Conformity	EU Declaration of Conformity
Engineering Data	CAD data – STEP
User Documentation	Installation- and operating instructions
Catalogues	Catalogues in PDF-format

Data sheet

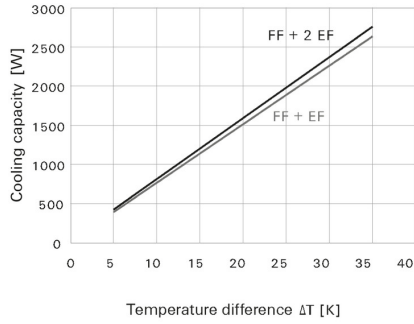
FF 43 54/230V BK

Weidmüller Interface GmbH & Co. KG
 Klingenbergstraße 26
 D-32758 Detmold
 Germany

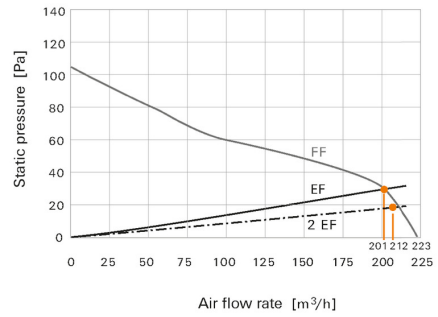
www.weidmueller.com

Drawings

Graph



Graph



FF 43 54/230V BK

Weidmüller Interface GmbH & Co. KG
 Klingenbergstraße 26
 D-32758 Detmold
 Germany

www.weidmueller.com

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 40 54 BK	Version
Order No.	2557180000	Exhaust filter, IP54, black
GTIN (EAN)	4050118567816	
Qty.	1 pc(s).	
Type	EF 40 55 GY	Version
Order No.	2557190000	Exhaust filter, IP55, grey
GTIN (EAN)	4050118567823	
Qty.	1 pc(s).	
Type	EF 40 54 GY	Version
Order No.	2557170000	Exhaust filter, IP54, grey
GTIN (EAN)	4050118567809	
Qty.	1 pc(s).	
Type	EF 40 55 BK	Version
Order No.	2557200000	Exhaust filter, IP55, black
GTIN (EAN)	4050118567830	
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.	2556800000	Filter mat, IP55, white
GTIN (EAN)	4050118567427	
Qty.	5 pc(s).	
Type	FF-FIMT 4X 54	Version
Order No.	2556790000	Filter mat, IP54, white
GTIN (EAN)	4050118567410	
Qty.	5 pc(s).	