

FF-EMC 42 54/230V GY**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, grey |
| Order No. | 2557350000 |
| Type | FF-EMC 42 54/230V GY |
| GTIN (EAN) | 4050118567984 |
| 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 | 1,154 g | | |

Temperatures

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

General data

| | | | |
|------------------------------------|----------------------------------|-----------------------|--|
| Colour | grey | | |
| 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 m ³ /h | |
| | Exhaust filter | IP54 | |
| | Mains frequency | 60 Hz | |
| | Volume flow | 127 m ³ /h | |
| | Exhaust filter | IP54 | |
| Volume flow, free-blowing | Mains frequency | 50 Hz | |
| | Volume flow | 156 m ³ /h | |
| | Mains frequency | 60 Hz | |
| | Volume flow | 171 m ³ /h | |
| Volume flow, free-blowing at 50 Hz | 156 m ³ /h | | |
| Volume flow, free-blowing at 60 Hz | 171 m ³ /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 |
|------|---------|

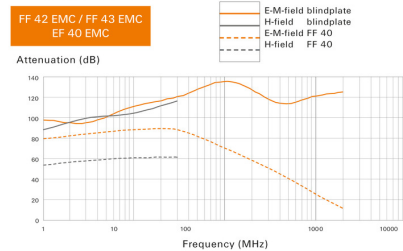
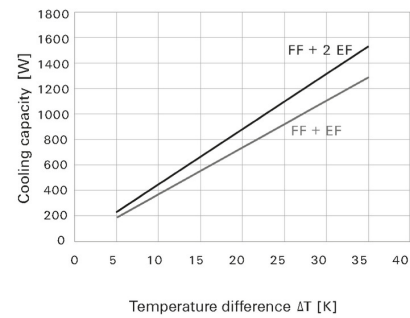
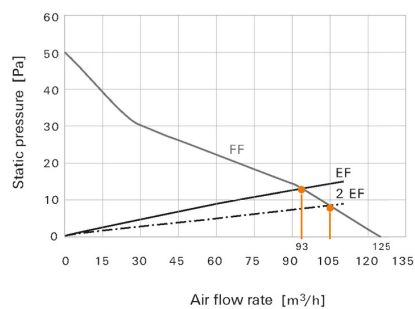
Downloads

| | |
|---|--|
| 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 |

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Drawings**Graph****Shielding effectiveness measurements****Graph****Graph**

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Accessories

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 54 | Version |
| Order No. | 2556790000 | Filter mat, IP54, white |
| GTIN (EAN) | 4050118567410 | |
| Qty. | 5 pc(s). | |
| Type | FF-FIMT 4X 55 | Version |
| Order No. | 2556800000 | Filter mat, IP55, white |
| GTIN (EAN) | 4050118567427 | |
| Qty. | 5 pc(s). | |

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