

**maxGUARD  
AMG FIM-0**

**Weidmüller Interface GmbH & Co. KG**  
Klingenbergstraße 16  
D-32758 Detmold  
Germany  
Fon: +49 5231 14-0  
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Efficient machine and facility operation calls for fail-safe and maintenance-friendly control voltage distribution that can be installed in a time and space-saving manner.

With the new maxGUARD system, the terminal blocks (previously installed separately) for distributing potential to the outputs of the electronic load monitors become an integral part of a 24 V DC control voltage distribution system.

The innovative combination of load monitoring and potential distribution saves time during installation, increases safety against failure and reduces the amount of space required on the terminal rail by 50%.

**General ordering data**

|            |                            |
|------------|----------------------------|
| Type       | AMG FIM-0                  |
| Order No.  | <a href="#">2081870000</a> |
| Version    | Feed-in module, 24 V DC    |
| GTIN (EAN) | 4050118419443              |
| Qty.       | 1 pc(s).                   |

**Data sheet**

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**Technical data**

**Dimensions and weights**

|            |         |                 |            |
|------------|---------|-----------------|------------|
| Width      | 12.2 mm | Width (inches)  | 0.48 inch  |
| Height     | 125 mm  | Height (inches) | 4.921 inch |
| Depth      | 96.5 mm | Depth (inches)  | 3.799 inch |
| Net weight | 0.14 g  |                 |            |

**Temperatures**

|                       |                |                     |                |
|-----------------------|----------------|---------------------|----------------|
| Operating temperature | -25 °C...55 °C | Storage temperature | -40 °C...85 °C |
|-----------------------|----------------|---------------------|----------------|

**Probability of failure**

|      |              |
|------|--------------|
| MTTF | 50,000 Years |
|------|--------------|

**Input**

|  |          |                        |              |
|--|----------|------------------------|--------------|
| Connection system                            | PUSH IN  | DC input voltage range | 18...30 V DC |
| Input fuse (internal)                        | No       | Rated input voltage    | 24 V DC      |
| max. admissible residual ripple at the input | 100 mVpp |                        |              |

**output**

|                   |         |
|-------------------|---------|
| Connection system | PUSH IN |
|-------------------|---------|

**General data**

|                        |                |                   |      |
|------------------------|----------------|-------------------|------|
| Control function       | No             | Control inputs    | No   |
| Operating temperature  | -25 °C...55 °C | Protection degree | IP20 |
| Surge voltage category | III            |                   |      |

**Insulation coordination**

|                        |     |
|------------------------|-----|
| Surge voltage category | III |
|------------------------|-----|


**Connection data (input)**

|   |                      |   |                    |
|---|----------------------|---|--------------------|
| Conductor cross-section, AWG/kcmil , max.             | 6                    | Conductor cross-section, AWG/kcmil , min. | 18                 |
| Conductor cross-section, flexible , min.              | 0.75 mm <sup>2</sup> | Conductor cross-section, rigid , max.     | 10 mm <sup>2</sup> |
| Conductor cross-section, rigid , min.                 | 0.75 mm <sup>2</sup> | Connection system                         | PUSH IN            |
| Number of terminals                                   | 2 (+,-)              | Screwdriver blade                         | 1.2 x 6.5          |
| Wire connection cross section, flexible (input), max. | 16 mm <sup>2</sup>   |   |                    |

**Connection data (output)**

|                   |         |
|-------------------|---------|
| Connection system | PUSH IN |
|-------------------|---------|

**Approvals**

|                   |   |                         |         |
|-------------------|---|-------------------------|---------|
| Institute (cULus) |  | Certificate no. (cULus) | E258476 |
|-------------------|---|-------------------------|---------|

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**Classifications**

|            |             |            |             |
|------------|-------------|------------|-------------|
| ETIM 6.0   | EC000897    | eClass 6.2 | 27-37-15-02 |
| eClass 9.1 | 27-14-11-20 |            |             |

**Approvals**

Approvals



|      |         |
|------|---------|
| ROHS | Conform |
|------|---------|

**Downloads**

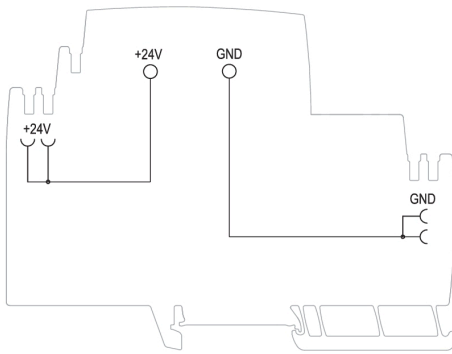
|                    |  |
|--------------------|--|
| Brochure/Catalogue | <a href="#">CAT 1 TERM 16/17 EN</a>  |
| Engineering Data   | <a href="#">EPLAN, WSCAD, Zuken E3.S</a>   |
| User Documentation | <a href="#">Operating instructions</a><br><a href="#">Manual_Maxguard_01_04_2017_DE_EN</a> |

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**Drawings**



Schematic circuit diagram