

**AMG FIM-C****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

[www.weidmueller.com](http://www.weidmueller.com)

Similar to illustration

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**

Version	Supply module, 24 V DC
Order No.	<a href="#">2081880000</a>
Type	AMG FIM-C
GTIN (EAN)	4050118419429
Qty.	1 pc(s).

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## Technical data

## Dimensions and weights

Depth	96.5 mm	Depth (inches)	3.799 inch
Height	125 mm	Height (inches)	4.921 inch
Width	12.2 mm	Width (inches)	0.48 inch
Net weight	78 g		

## Temperatures

Storage temperature	-40 °C...85 °C	Operating temperature	-25 °C...70 °C
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## Input

Connection system	PUSH IN	Current consumption (full load)	120 mA
Current consumption (idle)	20 mA	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
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## General data

Conformal coating	No	
Control inputs	Reset	
MTTF	According to Standard	SN 29500
	Operating time (hours), min.	3,996,000 h
	Ambient temperature	40 °C
	Input voltage	24 V
	Duty cycle	100 %
Power loss, idling	384 mW	
Power loss, nominal load	500 mW	
Protection degree	IP20	
Surge voltage category	III	

## Insulation coordination

Surge voltage category	III
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## Connection data (input)

Conductor cross-section, AWG/kcmil , max.	6 AWG	Conductor cross-section, AWG/kcmil , min.	18 AWG
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>		

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## Connection data (output)

Conductor cross-section, AWG/kcmil , max.	12 AWG	Conductor cross-section, AWG/kcmil , min.	26 AWG
Conductor cross-section, flexible , max.	1.5 mm <sup>2</sup>	Conductor cross-section, flexible , min.	0.14 mm <sup>2</sup>
Conductor cross-section, rigid , max.	1.5 mm <sup>2</sup>	Conductor cross-section, rigid , min.	0.14 mm <sup>2</sup>
Connection system	PUSH IN	Number of terminals	2 (I</ Alarm)
Screwdriver blade	0.4 x 2.5		

## Connection data (signal)

Wire connection cross-section, flexible (signal), max.	1.5 mm <sup>2</sup>
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## Signalling

LED green	Operating voltage OK	Red LED	Alarm
Transistor output, positive-switching	Alarm	Yellow LED	External reset is signalled, Alarm is signalled

## Approbations

Certificate no. (cULus)	E258476	Institute (cULus)	CULUS
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## Classifications

ETIM 6.0	EC000897	ETIM 7.0	EC000897
ETIM 8.0	EC000897	ETIM 9.0	EC000897
ECLASS 9.0	27-14-11-20	ECLASS 9.1	27-14-11-20
ECLASS 10.0	27-14-11-20	ECLASS 11.0	27-14-11-20
ECLASS 12.0	27-14-11-20	ECLASS 13.0	27-25-01-01

## Environmental Product Compliance

REACH SVHC	Lead 7439-92-1
SCIP	a7fff16c-85aa-4fb0-a206-7be03f41b0b7
RoHS Compliance Status	Compliant with exemption
RoHS Exemption (if applicable/known)	7a, 7cl

## Approvals

Approvals



ROHS	Conform
UL File Number Search	UL Website
Certificate no. (cULus)	E258476

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### Downloads

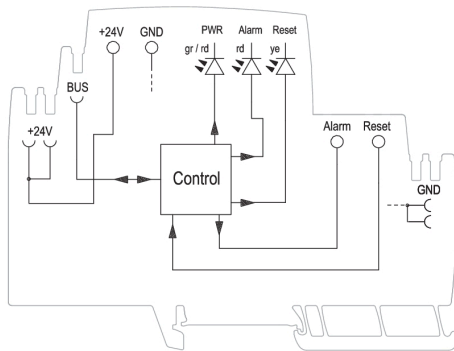
Approval/Certificate/Document of Conformity	<a href="#">MaxGuard AMG ELM UL 508 CSA C22.2.pdf</a> <a href="#">Declaration of Conformity</a> <a href="#">UK Conformity Assessed</a>
Engineering Data	<a href="#">CAD data – STEP</a>
Engineering Data	<a href="#">Zuken E3.S</a>
User Documentation	<a href="#">Manual maxGUARD</a> <a href="#">Operating instructions</a>
Catalogues	<a href="#">Catalogues in PDF-format</a>

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## Drawings



Schematic circuit diagram