

**maxGUARD
AMG AM**

Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 16
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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 AM
Order No.	2081890000
Version	Alarm module, 24 V DC
GTIN (EAN)	4050118419337
Qty.	1 pc(s).

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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	56 g		

Temperatures

Operating temperature, max.	55 °C	Operating temperature, min.	-25 °C
Storage temperature, max.	85 °C	Storage temperature, min.	-40 °C
Operating temperature	-25 °C...55 °C	Storage temperature	-40 °C...85 °C

Probability of failure

MTTF	550 Years
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Input

Current consumption (full load)	30 mA	Current consumption (idle)	25 mA
DC input voltage range	18...30 V DC	Input fuse (internal)	No
Rated input voltage	24 V DC	Surge protection	Suppressor diode
max. admissible residual ripple at the input	100 mVpp		

output

Connection system	PUSH IN	Surge protection	Suppressor diode
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General data

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

Insulation coordination

Surge voltage category	III
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Connection data (output)

Conductor cross-section, AWG/kcmil , max.	12	Conductor cross-section, AWG/kcmil , min.	26
Conductor cross-section, flexible , max.	2.5 mm ²	Conductor cross-section, flexible , min.	0.14 mm ²
Conductor cross-section, rigid , max.	2.5 mm ²	Conductor cross-section, rigid , min.	0.14 mm ²
Connection system	PUSH IN	Number of terminals	4 (2 x NO)
Screwdriver blade	0.6 x 3.5		

Connection data (signal)

Wire connection cross-section, flexible (signal), max.	2.5 mm ²
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Data sheet

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Technical data

Signalling

Floating contact	Yes	LED red	Alarm
LED yellow	Current > 90% Inom (flashing)	Status relay (max. load)	Alarm (24 V / 0.1 A), I > 90% (24 V / 0.1 A)
Transistor output, positive-switching	Pre-warning, Alarm		

Approvals

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

ETIM 6.0	EC002057	eClass 6.2	27-37-15-02
eClass 9.1	27-37-10-16		

Approvals

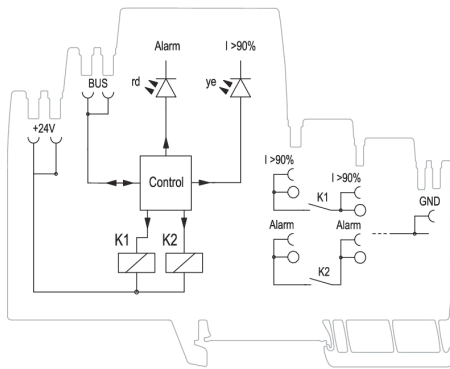
Approvals	
ROHS	Conform

Downloads

Approval/Certificate/Document of Conformity	Declaration of Conformity
Brochure/Catalogue	CAT 1 TERM 16/17 EN
Engineering Data	EPLAN, WSCAD, Zuken E3.S
Engineering Data	STEP
User Documentation	Operating instructions Manual maxGUARD Operating instructions

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Drawings

Schematic circuit diagram