

**AMG DIS****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	Potential distributor
Order No.	<a href="#">2123050000</a>
Type	AMG DIS
GTIN (EAN)	4050118425413
Qty.	10 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	6.1 mm	Width (inches)	0.24 inch
Net weight	42.2 g		

## Temperatures

Storage temperature	-40 °C...85 °C	Operating temperature	-25 °C...70 °C
Continuous operating temp., min.	-25 °C	Continuous operating temp., max.	70 °C

## Input

Type of connection	PUSH IN
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## Output

Connection system	PUSH IN
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## General data

Conformal coating	No	Current load per contact point	12 A
Protection degree	IP20	Total current load per potential	12 A

## Connection data (output)

Conductor cross-section, AWG/kcmil , max.	12 AWG	Conductor cross-section, AWG/kcmil , min.	26 AWG
Conductor cross-section, flexible , max.	2.5 mm <sup>2</sup>	Conductor cross-section, flexible , min.	0.14 mm <sup>2</sup>
Conductor cross-section, rigid , max.	2.5 mm <sup>2</sup>	Conductor cross-section, rigid , min.	0.14 mm <sup>2</sup>
Connection system	PUSH IN	Number of terminals	2 (+ / -)
Screwdriver blade	0.6 x 3.5		

## Approbations

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

ETIM 6.0	EC000902	ETIM 7.0	EC000902
ETIM 8.0	EC000902	ETIM 9.0	EC000902
ECLASS 9.0	27-14-11-26	ECLASS 9.1	27-14-11-26
ECLASS 10.0	27-14-11-26	ECLASS 11.0	27-14-11-26
ECLASS 12.0	27-14-11-26	ECLASS 13.0	27-25-01-09

## Environmental Product Compliance

REACH SVHC	/
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## Technical data

## Approvals

Approvals



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

## Downloads

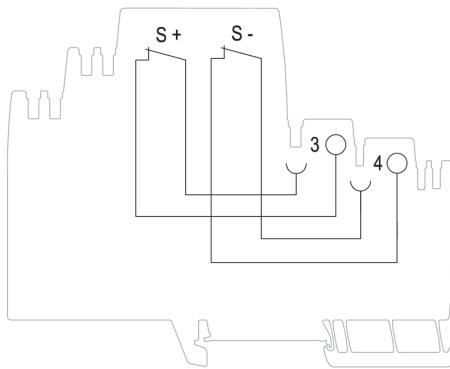
Approval/Certificate/Document of Conformity	<a href="#">MaxGuard AMG ELM UL 508 CSA C22.2.pdf</a> <a href="#">Declaration of Conformity</a> <a href="#">UK Conformity Assessed</a>
Engineering Data	<a href="#">CAD data – STEP</a>
Engineering Data	<a href="#">Zuken E3.S</a>
User Documentation	<a href="#">Operating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

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## Drawings



Schematic circuit diagram

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## Accessories

4 mm<sup>2</sup>

The plug-in cross-connections feature easy handling and quick installation. This saves a great deal of time during installation in comparison with screwed solutions.

## General ordering data

Type	ZQV 4N/2 RD	Version
Order No.	<a href="#">2460450000</a>	Cross-connector (terminal), Plugged, Number of poles: 2, Pitch in mm
GTIN (EAN)	4050118476149	(P): 6.10, 32 A, red
Qty.	60 pc(s).	
Type	ZQV 4N/10	Version
Order No.	<a href="#">1528090000</a>	Cross-connector (terminal), Plugged, Number of poles: 10, Pitch in mm
GTIN (EAN)	4050118332896	(P): 6.10, Insulated: Yes, 32 A, orange
Qty.	20 pc(s).	
Type	ZQV 4N/3 BL	Version
Order No.	<a href="#">1528080000</a>	Cross-connector (terminal), Plugged, Number of poles: 3, Pitch in mm
GTIN (EAN)	4050118333008	(P): 6.10, Insulated: Yes, 32 A, blue
Qty.	60 pc(s).	
Type	ZQV 4N/6 RD	Version
Order No.	<a href="#">2460780000</a>	Cross-connector (terminal), Plugged, Number of poles: 6, Pitch in mm
GTIN (EAN)	4050118476200	(P): 6.10, Insulated: Yes, 32 A, red
Qty.	20 pc(s).	
Type	ZQV 4N/50 RD	Version
Order No.	<a href="#">2460730000</a>	Cross-connector (terminal), Plugged, Number of poles: 50, Pitch in mm
GTIN (EAN)	4050118476156	(P): 6.10, Insulated: Yes, 32 A, red
Qty.	5 pc(s).	
Type	ZQV 4N/6 BL	Version
Order No.	<a href="#">1528170000</a>	Cross-connector (terminal), Plugged, Number of poles: 6, Pitch in mm
GTIN (EAN)	4050118332926	(P): 6.10, Insulated: Yes, 32 A, blue
Qty.	20 pc(s).	
Type	ZQV 4N/7 BL	Version
Order No.	<a href="#">1528180000</a>	Cross-connector (terminal), Plugged, Number of poles: 7, Pitch in mm
GTIN (EAN)	4050118333114	(P): 6.10, Insulated: Yes, 32 A, blue
Qty.	20 pc(s).	
Type	ZQV 4N/5 RD	Version
Order No.	<a href="#">2460790000</a>	Cross-connector (terminal), Plugged, Number of poles: 5, Pitch in mm
GTIN (EAN)	4050118476217	(P): 6.10, Insulated: Yes, 32 A, red
Qty.	60 pc(s).	
Type	ZQV 4N/9 RD	Version
Order No.	<a href="#">2460750000</a>	Cross-connector (terminal), Plugged, Number of poles: 9, Pitch in mm
GTIN (EAN)	4050118476170	(P): 6.10, Insulated: Yes, 32 A, red
Qty.	20 pc(s).	
Type	ZQV 4N/5 BL	Version
Order No.	<a href="#">1528140000</a>	Cross-connector (terminal), Plugged, Number of poles: 5, Pitch in mm
GTIN (EAN)	4050118333015	(P): 6.10, Insulated: Yes, 32 A, blue
Qty.	60 pc(s).	

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Type	ZQV 4N/6	Version
Order No.	<a href="#">1527990000</a>	Cross-connector (terminal), Plugged, Number of poles: 6, Pitch in mm
GTIN (EAN)	4050118332919	(P): 6.10, Insulated: Yes, 32 A, orange
Qty.	20 pc(s).	
Type	ZQV 4N/8	Version
Order No.	<a href="#">1528030000</a>	Cross-connector (terminal), Plugged, Number of poles: 8, Pitch in mm
GTIN (EAN)	4050118332841	(P): 6.10, Insulated: Yes, 32 A, orange
Qty.	20 pc(s).	
Type	ZQV 4N/2 BL	Version
Order No.	<a href="#">1528040000</a>	Cross-connector (terminal), Plugged, Number of poles: 2, Pitch in mm
GTIN (EAN)	4050118332773	(P): 6.10, Insulated: Yes, 32 A, blue
Qty.	60 pc(s).	
Type	ZQV 4N/50 BL	Version
Order No.	<a href="#">1528240000</a>	Cross-connector (terminal), Plugged, Number of poles: 50, Pitch in mm
GTIN (EAN)	4050118333121	(P): 6.10, Insulated: Yes, 32 A, blue
Qty.	5 pc(s).	
Type	ZQV 4N/3	Version
Order No.	<a href="#">1527940000</a>	Cross-connector (terminal), Plugged, Number of poles: 3, Pitch in mm
GTIN (EAN)	4050118332865	(P): 6.10, Insulated: Yes, 32 A, orange
Qty.	60 pc(s).	
Type	ZQV 4N/9	Version
Order No.	<a href="#">1528070000</a>	Cross-connector (terminal), Plugged, Number of poles: 9, Pitch in mm
GTIN (EAN)	4050118332797	(P): 6.10, Insulated: Yes, 32 A, orange
Qty.	20 pc(s).	
Type	ZQV 4N/3 RD	Version
Order No.	<a href="#">2460810000</a>	Cross-connector (terminal), Plugged, Number of poles: 3, Pitch in mm
GTIN (EAN)	4050118476231	(P): 6.10, 32 A, red
Qty.	60 pc(s).	
Type	ZQV 4N/4 BL	Version
Order No.	<a href="#">1528120000</a>	Cross-connector (terminal), Plugged, Number of poles: 4, Pitch in mm
GTIN (EAN)	4050118332872	(P): 6.10, Insulated: Yes, 32 A, blue
Qty.	60 pc(s).	
Type	ZQV 4N/8 RD	Version
Order No.	<a href="#">2460760000</a>	Cross-connector (terminal), Plugged, Number of poles: 8, Pitch in mm
GTIN (EAN)	4050118476187	(P): 6.10, Insulated: Yes, 32 A, red
Qty.	20 pc(s).	
Type	ZQV 4N/7 RD	Version
Order No.	<a href="#">2460770000</a>	Cross-connector (terminal), Plugged, Number of poles: 7, Pitch in mm
GTIN (EAN)	4050118476194	(P): 6.10, Insulated: Yes, 32 A, red
Qty.	20 pc(s).	
Type	ZQV 4N/10 RD	Version
Order No.	<a href="#">2460740000</a>	Cross-connector (terminal), Plugged, Number of poles: 10, Pitch in mm
GTIN (EAN)	4050118476163	(P): 6.10, 32 A, red
Qty.	20 pc(s).	
Type	ZQV 4N/50	Version
Order No.	<a href="#">1528130000</a>	Cross-connector (terminal), Plugged, Number of poles: 50, Pitch in mm
GTIN (EAN)	4050118332902	(P): 6.10, Insulated: Yes, 32 A, orange
Qty.	5 pc(s).	
Type	ZQV 4N/9 BL	Version
Order No.	<a href="#">1528220000</a>	Cross-connector (terminal), Plugged, Number of poles: 9, Pitch in mm
GTIN (EAN)	4050118333107	(P): 6.10, Insulated: Yes, 32 A, blue
Qty.	20 pc(s).	

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## Accessories

Type	ZQV 4N/10 BL	Version
Order No.	<a href="#">1528230000</a>	Cross-connector (terminal), Plugged, Number of poles: 10, Pitch in mm
GTIN (EAN)	4050118333138	(P): 6.10, Insulated: Yes, 32 A, blue
Qty.	20 pc(s).	
Type	ZQV 4N/7	Version
Order No.	<a href="#">1528020000</a>	Cross-connector (terminal), Plugged, Number of poles: 7, Pitch in mm
GTIN (EAN)	4050118332780	(P): 6.10, Insulated: Yes, 32 A, orange
Qty.	20 pc(s).	
Type	ZQV 4N/2	Version
Order No.	<a href="#">1527930000</a>	Cross-connector (terminal), Plugged, Number of poles: 2, Pitch in mm
GTIN (EAN)	4050118332766	(P): 6.10, Insulated: Yes, 32 A, orange
Qty.	60 pc(s).	
Type	ZQV 4N/5	Version
Order No.	<a href="#">1527980000</a>	Cross-connector (terminal), Plugged, Number of poles: 5, Pitch in mm
GTIN (EAN)	4050118332759	(P): 6.10, Insulated: Yes, 32 A, orange
Qty.	60 pc(s).	
Type	ZQV 4N/8 BL	Version
Order No.	<a href="#">1528190000</a>	Cross-connector (terminal), Plugged, Number of poles: 8, Pitch in mm
GTIN (EAN)	4050118332858	(P): 6.10, Insulated: Yes, 32 A, blue
Qty.	20 pc(s).	
Type	ZQV 4N/4	Version
Order No.	<a href="#">1527970000</a>	Cross-connector (terminal), Plugged, Number of poles: 4, Pitch in mm
GTIN (EAN)	4050118332889	(P): 6.10, Insulated: Yes, 32 A, orange
Qty.	60 pc(s).	
Type	ZQV 4N/4 RD	Version
Order No.	<a href="#">2460800000</a>	Cross-connector (terminal), Plugged, Number of poles: 4, Pitch in mm
GTIN (EAN)	4050118476224	(P): 6.10, Insulated: Yes, 32 A, red
Qty.	60 pc(s).	

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## Accessories

## Blank



WS markers are the perfect match for the W-series connectors. Thanks to their system compatibility, the WS tags can also be used with the I-series and the Z-series. The large marking surfaces do not only permit long character strings but also multi-line text. WS markers are ideal for labels with long, customised character strings. Thanks to the proven MultiCard format, printing with PrintJet CONNECT oder/or Plotter is possible.

- Can be fitted in strips or individually
- Markers in proven MultiCard format

**For custom printing:** Please send us a file of our labeling software M-Print PRO or M-Print PRO Online (without installation) for your labeling specifications.

## General ordering data

Type	WS 10/6 M MC NE WS	Version
Order No.	<a href="#">1818400000</a>	WS, Terminal marker, 10 x 6 mm, Pitch in mm (P): 6.00 Weidmueller,
GTIN (EAN)	4032248310876	Allen-Bradley, white
Qty.	600 pc(s).	

## Slotted screwdriver



VDE insulated screwdriver sets, for working on live parts up to 1000 V AC and 1500 V DC, DIN EN 60900. IEC 900. Each piece is "GS" safety tested. Blade made from fully hardened, high-alloy chromium-vanadium-molybdenum steel, gun-metal finish.

## General ordering data

Type	SDIS SL 0.6X3.5X100	Version
Order No.	<a href="#">1274660000</a>	Screwdriver, Mounting tool
GTIN (EAN)	4050118072631	
Qty.	1 pc(s).	



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## Accessories

## W-Series

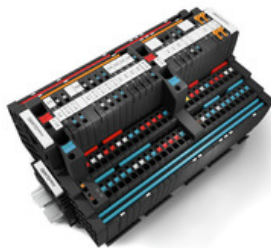


Weidmüller's range of products includes end brackets that guarantee a permanent, reliable mounting on the terminal rail and prevent sliding. Versions with and without screws are available. The end brackets include marking options, also for group markers, and also a test plug holder.

## General ordering data

Type	WEW 35/2 V0 GF SW	Version
Order No.	<a href="#">1479000000</a>	End bracket, Wemid, black, Rail: TS 35, when screwed in
GTIN (EAN)	4050118286779	
Qty.	50 pc(s).	

## Standard version for machine construction



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 PP	Version
Order No.	<a href="#">2123000000</a>	Partition plate
GTIN (EAN)	4050118425338	
Qty.	40 pc(s).	
Type	AMG OD	Version
Order No.	<a href="#">2122910000</a>	Potential distributor
GTIN (EAN)	4050118425185	
Qty.	10 pc(s).	
Type	AMG EP 2010	Version
Order No.	<a href="#">2495380000</a>	Fastening element
GTIN (EAN)	4050118505306	
Qty.	30 pc(s).	
Type	AMG MD	Version
Order No.	<a href="#">2122930000</a>	Potential distributor
GTIN (EAN)	4050118425192	
Qty.	10 pc(s).	

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Type	AMG PD	Version
Order No.	<a href="#">2122920000</a>	Potential distributor
GTIN (EAN)	4050118425321	
Qty.	10 pc(s).	