

**maxGUARD  
AMG DIS EX****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

Fon: +49 5231 14-0

Fax: +49 5231 14-292083

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**

|            |                             |
|------------|-----------------------------|
| Type       | AMG DIS EX                  |
| Order No.  | <a href="#">2495 100000</a> |
| Version    | Potential distributor       |
| GTIN (EAN) | 4050 118504798              |
| Qty.       | 10 pc(s).                   |

Creation date May 2, 2020 9:47:43 AM CEST

Catalogue status 17.04.2020 / We reserve the right to make technical changes.

# Data sheet

## maxGUARD AMG DIS EX

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# Technical data

### Dimensions and weights

|            |         |                 |            |
|------------|---------|-----------------|------------|
| Width      | 6.1 mm  | Width (inches)  | 0.24 inch  |
| Height     | 125 mm  | Height (inches) | 4.921 inch |
| Depth      | 96.5 mm | Depth (inches)  | 3.799 inch |
| Net weight | 42.2 g  |                 |            |

### Probability of failure

|      |              |
|------|--------------|
| MTTF | 13,000 Years |
|------|--------------|

### Environmental Product Compliance

|            |                |
|------------|----------------|
| REACH SVHC | Lead 7439-92-1 |
|------------|----------------|

### Output

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



### General data

|                                  |        |                                |      |
|----------------------------------|--------|--------------------------------|------|
| Conformal coating                | Yes    | Current load per contact point | 12 A |
| Potential isolation              | +, GND | Protection degree              | IP20 |
| Total current load per potential | 12 A   |                                |      |

### 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 <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           |   |                      |

### Approvals

|                     |   |                           |                  |
|---------------------|---|---------------------------|------------------|
| Institute(ATEX)     |  | Certificate No. (ATEX)    |                  |
|                     |   |                           | DEMKO17ATEX1870X |
| Institute (cULus)   |  | Certificate no. (cULus)   |                  |
|                     |   |                           | E258476          |
| Institute (cULusEX) |  | Certificate no. (cULusEX) |                  |
|                     |   |                           | E470829          |

### Classifications

|             |             |            |             |
|-------------|-------------|------------|-------------|
| ETIM 6.0    | EC000897    | ETIM 7.0   | EC000897    |
| eClass 9.0  | 27-14-11-20 | eClass 9.1 | 27-14-11-20 |
| eClass 10.0 | 27-14-11-20 |            |             |

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**Technical data**

**Approvals**

Approvals



ROHS Conform

**Downloads**

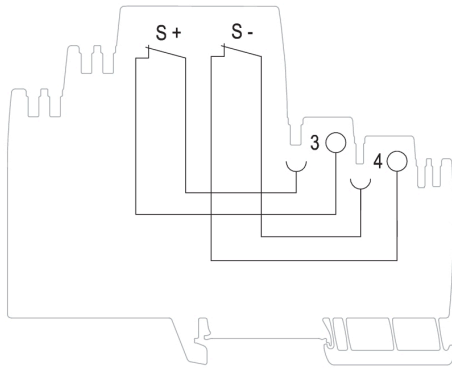
|   |   |
|---|---|
| Approval/Certificate/Document of Conformity | <a href="#">Declaration of Conformity</a>                                 |
| Engineering Data                            | <a href="#">EPLAN</a>   |
| Engineering Data                            | <a href="#">STEP</a>  |
| User Documentation                          | <a href="#">Manual_maxGUARD</a><br><a href="#">Operating instructions</a> |

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**Drawings**



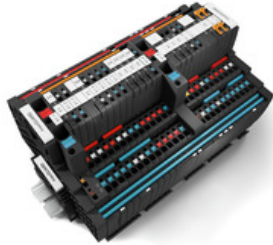
Schematic circuit diagram

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**Accessories**

**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.

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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> | Seperation plate |
| GTIN (EAN) | 4050118425338              |                  |
| Qty.       | 40 pc(s).                  |                  |

**Extended version for shipbuilding and EX applications**



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**General ordering data**

|            |                            |                       |
|------------|----------------------------|-----------------------|
| Type       | AMG OD EX                  | Version               |
| Order No.  | <a href="#">2495090000</a> | Potential distributor |
| GTIN (EAN) | 4050118504781              |                       |
| Qty.       | 10 pc(s).                  |                       |

|            |                            |                       |
|------------|----------------------------|-----------------------|
| Type       | AMG PD EX                  | Version               |
| Order No.  | <a href="#">2495070000</a> | Potential distributor |
| GTIN (EAN) | 4050118504767              |                       |
| Qty.       | 10 pc(s).                  |                       |

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## Accessories

|            |                            |                       |
|------------|----------------------------|-----------------------|
| Type       | AMG MD EX                  | Version               |
| Order No.  | <a href="#">2495040000</a> | Potential distributor |
| GTIN (EAN) | 4050118504804              |                       |
| Qty.       | 10 pc(s).                  |                       |

## ZQV 4N



### Spring connection with PUSH IN Technology

The innovative PUSH IN technology reduces the amount of time you spend on wiring to a minimum. Direct insertion guarantees high conductor pull-out forces and simple handling for all conductor types.

### General ordering data

|            |                            |
|------------|----------------------------|
| Type       | ZQV 4N/4 RD                |
| Order No.  | <a href="#">2460800000</a> |
| GTIN (EAN) | 4050118476224              |
| Qty.       | 60 pc(s).                  |
| Type       | ZQV 4N/8                   |
| Order No.  | <a href="#">1528030000</a> |
| GTIN (EAN) | 4050118332841              |
| Qty.       | 20 pc(s).                  |
| Type       | ZQV 4N/9                   |
| Order No.  | <a href="#">1528070000</a> |
| GTIN (EAN) | 4050118332797              |
| Qty.       | 20 pc(s).                  |
| Type       | ZQV 4N/7 BL                |
| Order No.  | <a href="#">1528180000</a> |
| GTIN (EAN) | 4050118333114              |
| Qty.       | 20 pc(s).                  |
| Type       | ZQV 4N/2 RD                |
| Order No.  | <a href="#">2460450000</a> |
| GTIN (EAN) | 4050118476149              |
| Qty.       | 60 pc(s).                  |
| Type       | ZQV 4N/50 RD               |
| Order No.  | <a href="#">2460730000</a> |
| GTIN (EAN) | 4050118476156              |
| Qty.       | 5 pc(s).                   |
| Type       | ZQV 4N/2                   |
| Order No.  | <a href="#">1527930000</a> |
| GTIN (EAN) | 4050118332766              |
| Qty.       | 60 pc(s).                  |
| Type       | ZQV 4N/3 BL                |
| Order No.  | <a href="#">1528080000</a> |
| GTIN (EAN) | 4050118333008              |
| Qty.       | 60 pc(s).                  |

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**Accessories**

|            |                            |
|------------|----------------------------|
| Type       | ZQV 4N/50 BL               |
| Order No.  | <a href="#">1528240000</a> |
| GTIN (EAN) | 4050118333121              |
| Qty.       | 5 pc(s).                   |
| Type       | ZQV 4N/10 RD               |
| Order No.  | <a href="#">2460740000</a> |
| GTIN (EAN) | 4050118476163              |
| Qty.       | 20 pc(s).                  |
| Type       | ZQV 4N/9 BL                |
| Order No.  | <a href="#">1528220000</a> |
| GTIN (EAN) | 4050118333107              |
| Qty.       | 20 pc(s).                  |
| Type       | ZQV 4N/5 RD                |
| Order No.  | <a href="#">2460790000</a> |
| GTIN (EAN) | 4050118476217              |
| Qty.       | 60 pc(s).                  |
| Type       | ZQV 4N/10                  |
| Order No.  | <a href="#">1528090000</a> |
| GTIN (EAN) | 4050118332896              |
| Qty.       | 20 pc(s).                  |
| Type       | ZQV 4N/5                   |
| Order No.  | <a href="#">1527980000</a> |
| GTIN (EAN) | 4050118332759              |
| Qty.       | 60 pc(s).                  |
| Type       | ZQV 4N/6 RD                |
| Order No.  | <a href="#">2460780000</a> |
| GTIN (EAN) | 4050118476200              |
| Qty.       | 20 pc(s).                  |
| Type       | ZQV 4N/2 BL                |
| Order No.  | <a href="#">1528040000</a> |
| GTIN (EAN) | 4050118332773              |
| Qty.       | 60 pc(s).                  |
| Type       | ZQV 4N/10 BL               |
| Order No.  | <a href="#">1528230000</a> |
| GTIN (EAN) | 4050118333138              |
| Qty.       | 20 pc(s).                  |
| Type       | ZQV 4N/6                   |
| Order No.  | <a href="#">1527990000</a> |
| GTIN (EAN) | 4050118332919              |
| Qty.       | 20 pc(s).                  |
| Type       | ZQV 4N/5 BL                |
| Order No.  | <a href="#">1528140000</a> |
| GTIN (EAN) | 4050118333015              |
| Qty.       | 60 pc(s).                  |
| Type       | ZQV 4N/50                  |
| Order No.  | <a href="#">1528130000</a> |
| GTIN (EAN) | 4050118332902              |
| Qty.       | 5 pc(s).                   |
| Type       | ZQV 4N/9 RD                |
| Order No.  | <a href="#">2460750000</a> |
| GTIN (EAN) | 4050118476170              |
| Qty.       | 20 pc(s).                  |

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## Accessories

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Type ZQV 4N/3 RD  
Order No. [2460810000](#)  
GTIN (EAN) 4050118476231  
Qty. 60 pc(s).

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Type ZQV 4N/6 BL  
Order No. [1528170000](#)  
GTIN (EAN) 4050118332926  
Qty. 20 pc(s).

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Type ZQV 4N/4  
Order No. [1527970000](#)  
GTIN (EAN) 4050118332889  
Qty. 60 pc(s).

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Type ZQV 4N/7 RD  
Order No. [2460770000](#)  
GTIN (EAN) 4050118476194  
Qty. 20 pc(s).

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Type ZQV 4N/3  
Order No. [1527940000](#)  
GTIN (EAN) 4050118332865  
Qty. 60 pc(s).

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Type ZQV 4N/8 RD  
Order No. [2460760000](#)  
GTIN (EAN) 4050118476187  
Qty. 20 pc(s).

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Type ZQV 4N/4 BL  
Order No. [1528120000](#)  
GTIN (EAN) 4050118332872  
Qty. 60 pc(s).

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Type ZQV 4N/8 BL  
Order No. [1528190000](#)  
GTIN (EAN) 4050118332858  
Qty. 20 pc(s).

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Type ZQV 4N/7  
Order No. [1528020000](#)  
GTIN (EAN) 4050118332780  
Qty. 20 pc(s).

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**Accessories**

**End brackets**



**Klippon® Connect with clamping yoke Technology**

The high reliability and variety of designs of the terminal blocks with clamping yoke connections make planning easier and optimises operational safety. Klippon® Connect provides a proven response to a range of different requirements.

**General ordering data**

|            |                            |                       |
|------------|----------------------------|-----------------------|
| Type       | WEW 35/2 V0 GF SW          | Version               |
| Order No.  | <a href="#">1479000000</a> | W-Series, End bracket |
| GTIN (EAN) | 4050118286779              |                       |
| Qty.       | 100 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> | Mounting tool, Blade width (B): 3.5 mm, Blade length: 100 mm, Blade thickness (A): 0.6 mm |
| GTIN (EAN) | 4050118072631              |   |
| Qty.       | 1 pc(s).                   |   |