#### DATASHEET - M22-A



Mounting clamp





## **Delivery program**

| Basic function accessories  |   | Mounting adaptor  |
|---|---|---|
| Function  |   | Mounting clamp (front mounting) for 3-contact LED elements  |
| Description   |   | for 1 function element M22-SWD-K or LED element M22-SWD-LED<br>in addition 1 or 2 contact elements M22-K possible<br>Sequence numbers on fixing adapter |
| Fixing  |   | Front fixing  |
| Connection to SmartWire-DT  |   | yes   |
| For use with  |   | M22-SWD-K<br>M22-SWD-LED  |
| For use with  |   | Contact elements M22-(C)K<br>LED elements M22-(C)LED  |
| Actuator travel and actuation force as per DIN EN 60947-5-1,<br>K.5.4.1 |   |   |
| Minimum force for positive opening                                      | Ν | 0   |
| Configuration   |   | $\begin{bmatrix} 1 \\ 4 \end{bmatrix} \begin{bmatrix} 3 \\ 6 \end{bmatrix} \begin{bmatrix} 2 \\ 5 \end{bmatrix}$  |

## Technical data

| General             |    |  |
|---------------------|----|--|
| Climatic proofing   |    | Damp heat, constant, to IEC 60068-2-78<br>Damp heat, cyclic, to IEC 60068-2-30 |
| Ambient temperature |    |  |
| Open                | °C | -25 - +70  |

### Design verification as per IEC/EN 61439

| Rated operational current for specified heat dissipation     In     A     0       Heat dissipation per pole, current-dependent     Pvid     W     0       Equipment heat dissipation, current-dependent     Pvid     W     0       Static heat dissipation, non-current-dependent     Pvis     W     0       Heat dissipation capacity     Pdiss     Va     0       Operating ambient temperature min.     Pdiss     Va     0       Operating ambient temperature max.     Va     Va     0   | Design vernication as per illo/liv 01455                                   |                   |    |  |
|--|--|-------------------|----|--|
| Heat dissipation per pole, current-dependentPvidWEquipment heat dissipation, current-dependentPvidW0Static heat dissipation, concurrent-dependentPvsW0Heat dissipation capacityPdissW0Operating ambient temperature min.°C°C7Operating ambient temperature max.°C77C/EN 61439 design verification°C7710.2 Strength of materials and parts°C7710.2 Strength of materials and partsMMeets the product standard's requirements.M10.2.3 Verification of tersistance of insulting materials to abnormal heat<br>and fire due to internal electric effectsMeets the product standard's requirements.Meets the product standard's requirements.10.2.4 Resistance to ultra-violet (UV) radiationPease enquireNeets the product standard's requirements.Neets the product standard's requirements.10.2.5 LiftingNoNeets the product standard's requirements.Neets the product standard's requirements.10.2.5 LiftingNoNeets the product standard's requirements.10.2.5 LiftingNeets the product standard's requirements.Neets the product standard's requirements.10.2.5 LiftingNeets the product standard's requirements.Neets the product standard's requirements.10.2.5 LiftingNeets the product standard's requirements.Neets the product standard's requirements.10.2.5 LiftingNeets the product standard's requirements.Neets the product standard's requirements.10.2.5 Lifting </td <td>Technical data for design verification</td> <td></td> <td></td> <td></td>   | Technical data for design verification                                     |                   |    |  |
| Equipment heat dissipation, current-dependent       Paid       Waid       Operating ambient temperature man.       Paid       Waid       Operating ambient temperature man.       Paid       Paid <td>Rated operational current for specified heat dissipation</td> <td>In</td> <td>А</td> <td>0</td>   | Rated operational current for specified heat dissipation                   | In                | А  | 0  |
| Static head dissipation, non-current-dependent       Pus       We       O         Head dissipation, non-current-dependent       Pdiss       We       0         Operating ambient temperature min.       Pdiss       °C       25         Operating ambient temperature max.       °C       70         LVE 61439 design verification       Feed       °C       70         10.2 Strength of materials and parts       Feed standard's requirements.       Feed standard's requirements.         10.2.2 Corrosion resistance       Meets the product standard's requirements.       Meets the product standard's requirements.         10.2.3.1 Verification of resistance of insulating materials to normal heat and fire due to internal electric effects       Meets the product standard's requirements.         10.2.3.2 Verification of resistance of insulating materials to abnormal heat and fire due to internal electric effects       Meets the product standard's requirements.         10.2.3.2 Verification of resistance of insulating materials to abnormal heat and fire due to internal electric effects       Meets the product standard's requirements.         10.2.3.2 Verification of ASSEMBLIES       Meets the product standard's requirements.       Meets the product standard's requirements.         10.2.4 Resistance to ultra-violet (UV) radiation       Meets the product standard's requirements.       Meets the product standard's requirements.  | Heat dissipation per pole, current-dependent                               | P <sub>vid</sub>  | W  | 0  |
| Heat dissipation capacity       Pdiss       W       0         Operating ambient temperature min.       °C       -25         Operating ambient temperature max.       °C       70         C/EN 61439 design verification       °C       70         10.2 Strength of materials and parts       ~C       Meets the product standard's requirements.         10.2.2 Corrosion resistance       ~       Meets the product standard's requirements.         10.2.3.1 Verification of thermal stability of enclosures       ~       Meets the product standard's requirements.         10.2.3.3 Verification of resistance of insulating materials to normal heat       Meets the product standard's requirements.         10.2.3.3 Verification of resistance of insulating materials to abnormal heat       Meets the product standard's requirements.         10.2.3.3 Verification of resistance of insulating materials to abnormal heat       Meets the product standard's requirements.         10.2.4 Resistance to ultra-violet (UV) radiation       Pease enquire         10.2.5 Uriting       Dees not apply, since the entire switchgear needs to be evaluated.         10.2.6 Mechanical impact       Meets the product standard's requirements.         10.2.7 Inscriptions       Dees not apply, since the entire switchgear needs to be evaluated.         10.2.7 Inscriptions       Meets the product standard's require   | Equipment heat dissipation, current-dependent                              | P <sub>vid</sub>  | W  | 0  |
| Operating ambient temperature max.°C-25Operating ambient temperature max.°C70102 Strength of materials and partsP-25102.Strength of materials and partsP-26102.2 Corrosion resistanceMeets the product standard's requirements26102.3.1 Verification of thermal stability of enclosuresMeets the product standard's requirements26102.3.2 Verification of resistance of insulating materials to normal heatMeets the product standard's requirements26102.3.3 Verification of resistance of insulating materials to abnormal heatMeets the product standard's requirements.Meets the product standard's requirements.102.4 Resistance to ultra-violet (UV) radiationPPease enquire-26102.5 LiftingDes not apply, since the entire switchgear needs to be evaluated.Des not apply, since the entire switchgear needs to be evaluated.102.7 InscriptionsMeets the product standard's requirements26102.7 InscriptionsMeets the product standard's requirements26102.8 Ure of protection of ASSEMBLIESDes not apply, since the entire switchgear needs to be evaluated26104.Clearances and creepage distancesMeets the product standard's requirements26104.ClearancesMeets the product standard's requirements26105.0 Kert he product standard's requirements26-26105.0 Kert he product standard's requirements26-26105.0 Kert he product standard's requirements26-26105.0 Kert he product standard's re  | Static heat dissipation, non-current-dependent                             | P <sub>vs</sub>   | W  | 0  |
| Operating ambient temperature max.       °C       70         C/EN 61439 design verification       F       70         10.2 Strength of materials and parts       F       F         10.2.2 Corrosion resistance       Mets the product standard's requirements.       Mets the product standard's requirements.         10.2.3.1 Verification of thermal stability of enclosures       Mets the product standard's requirements.       Mets the product standard's requirements.         10.2.3.2 Verification of resistance of insulating materials to normal heat and fire due to internal electric effects       Mets the product standard's requirements.         10.2.4 Resistance to ultra-violet (UV) radiation       F       Pease enquire         10.2.5 Lifting       Des not apply, since the entire switchgear needs to be evaluated.         10.2.7 Inscriptions       F       Mets the product standard's requirements.         10.3 Degree of protection of ASSEMBLIES       F       Mets the product standard's requirements.         10.3 Degree of protection of ASSEMBLIES       F       Mets the product standard's requirements.         10.4 Clearances and creepage distances       Mets the product standard's requirements.   | Heat dissipation capacity  | P <sub>diss</sub> | W  | 0  |
| C/EN 61439 design verification     Image: C/EN 61439 design verification     Image: C/EN 61439 design verification       10.2 Strength of materials and parts     Image: C/EN 61439 design verification     Meets the product standard's requirements.       10.2.2 Corrosion resistance     Image: C/EN 61439 design verification of thermal stability of enclosures     Meets the product standard's requirements.       10.2.3.1 Verification of thermal stability of enclosures     Image: C/EN 61439 design verification of resistance of insulating materials to normal heat and fire due to internal electric effects     Meets the product standard's requirements.       10.2.3.2 Verification of resistance of insulating materials to abnormal heat and fire due to internal electric effects     Meets the product standard's requirements.       10.2.4 Resistance to ultra-violet (UV) radiation     Image: C/EN 61439 design verification     Please enquire       10.2.5 Lifting     Does not apply, since the entire switchgear needs to be evaluated.     Does not apply, since the entire switchgear needs to be evaluated.       10.2.7 Inscriptions     Meets the product standard's requirements.     Does not apply, since the entire switchgear needs to be evaluated.       10.3 Degree of protection of ASSEMBLIES     Image: C/EN 61439 design vertenents.     Does not apply, since the entire switchgear needs to be evaluated.       10.4 Clearances and creepage distances     Image: C/EN 61439 design vertenents.     Image: C/EN 61439 design vertenents. <td>Operating ambient temperature min.</td> <td></td> <td>°C</td> <td>-25</td> | Operating ambient temperature min.   |                   | °C | -25  |
| 10.2 Strength of materials and parts     Image: Corrosion resistance     Meets the product standard's requirements.       10.2.3 Location of thermal stability of enclosures     Meets the product standard's requirements.       10.2.3.1 Verification of resistance of insulating materials to normal heat     Meets the product standard's requirements.       10.2.3.2 Verification of resistance of insulating materials to abnormal heat     Meets the product standard's requirements.       10.2.3.3 Verification of resistance of insulating materials to abnormal heat     Meets the product standard's requirements.       10.2.4 Resistance to ultra-violet (UV) radiation     Meets the product standard's requirements.       10.2.5 Lifting     Dees not apply, since the entire switchgear needs to be evaluated.       10.2.6 Mechanical impact     Meets the product standard's requirements.       10.3.1 Inscriptions     Meets the product standard's requirements.       10.3.2 Uer of protection of ASSEMBLIES     Dees not apply, since the entire switchgear needs to be evaluated.       10.3.1 Learances and creepage distances     Meets the product standard's requirements.  | Operating ambient temperature max.   |                   | °C | 70   |
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| and fire due to internal electric effectsImage: Construction of ASSEMBLIESImage:             | 10.2.3.2 Verification of resistance of insulating materials to normal heat |                   |    | Meets the product standard's requirements.                         |
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| 10.2.7 Inscriptions     Meets the product standard's requirements.       10.3 Degree of protection of ASSEMBLIES     Does not apply, since the entire switchgear needs to be evaluated.       10.4 Clearances and creepage distances     Meets the product standard's requirements.  | 10.2.5 Lifting   |                   |    | Does not apply, since the entire switchgear needs to be evaluated. |
| 10.3 Degree of protection of ASSEMBLIES     Does not apply, since the entire switchgear needs to be evaluated.       10.4 Clearances and creepage distances     Meets the product standard's requirements.   | 10.2.6 Mechanical impact   |                   |    | Does not apply, since the entire switchgear needs to be evaluated. |
| 10.4 Clearances and creepage distances   Meets the product standard's requirements.  | 10.2.7 Inscriptions  |                   |    | Meets the product standard's requirements.                         |
|  | 10.3 Degree of protection of ASSEMBLIES                                    |                   |    | Does not apply, since the entire switchgear needs to be evaluated. |
| 10.5 Protection against electric shock Does not apply, since the entire switchgear needs to be evaluated.  | 10.4 Clearances and creepage distances                                     |                   |    | Meets the product standard's requirements.                         |
|  | 10.5 Protection against electric shock                                     |                   |    | Does not apply, since the entire switchgear needs to be evaluated. |

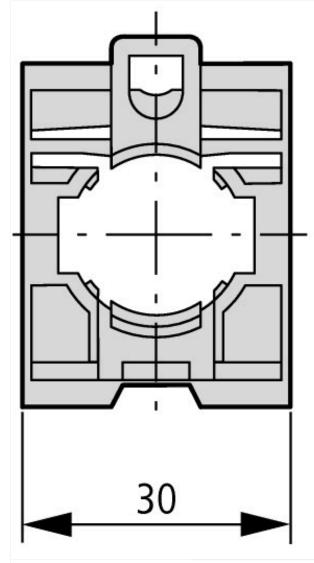
| 10.6 Incorporation of switching devices and components   | Does not apply, since the entire switchgear needs to be evaluated.                                       |
|--|--|
| 10.7 Internal electrical circuits and connections        | Is the panel builder's responsibility.   |
| 10.8 Connections for external conductors                 | Is the panel builder's responsibility.   |
| 10.9 Insulation properties                               |  |
| 10.9.2 Power-frequency electric strength                 | Is the panel builder's responsibility.   |
| 10.9.3 Impulse withstand voltage                         | Is the panel builder's responsibility.   |
| 10.9.4 Testing of enclosures made of insulating material | Is the panel builder's responsibility.   |
| 10.10 Temperature rise                                   | Not applicable.  |
| 10.11 Short-circuit rating                               | Is the panel builder's responsibility. The specifications for the switchgear must be observed.           |
| 10.12 Electromagnetic compatibility                      | Is the panel builder's responsibility. The specifications for the switchgear must be observed.           |
| 10.13 Mechanical function                                | The device meets the requirements, provided the information in the instruction leaflet (IL) is observed. |

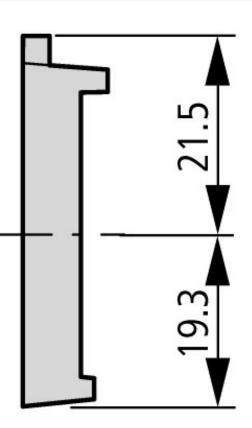
#### **Technical data ETIM 7.0**

Low-voltage industrial components (EG000017) / Adapter for control circuit devices (EC001020)

Electric engineering, automation, process control engineering / Low-voltage switch technology / Command and alarm device / Adapter for command devices (ecl@ss10.0.1-27-37-12-26 [AKF044014])

| Built-in diameter                | mm | 22   |
|----------------------------------|----|--|
| Number of appliances to build in |    | 6  |
|                                  |    |  |
| Approvals                        |    |  |
| Product Standards                |    | IEC/EN 60947-5; UL 508; CSA-C22.2 No. 14-05; CSA-C22.2 No. 94-91; CE marking |
| UL File No.                      |    | E29184   |
| UL Category Control No.          |    | NKCR   |
| CSA File No.                     |    | 012528   |
| CSA Class No.                    |    | 3211-03  |
| North America Certification      |    | UL listed, CSA certified   |





Fixing adapters Fixing adapter (front mount) for 3-contacts-/LED elements

# Additional product information (links)

#### IL04716002Z (AWA1160-1745) RMQ-Titan System

| IL04716002Z (AWA1160-1745) RMQ-Titan<br>System                   | ftp://ftp.moeller.net/DOCUMENTATION/AWA_INSTRUCTIONS/IL04716002Z2018_10.pdf |  |  |
|--|---|--|--|
| MN05006002Z (AWB2723-1617) SmartWire-DT, The system              |   |  |  |
| MN05006002Z (AWB2723-1617) SmartWire-DT,<br>Das System - Deutsch | ftp://ftp.moeller.net/DOCUMENTATION/AWB_MANUALS/MN05006002Z_DE.pdf          |  |  |
| MN05006002Z (AWB2723-1617) SmartWire-DT,<br>The system - English | ftp://ftp.moeller.net/DOCUMENTATION/AWB_MANUALS/MN05006002Z_EN.pdf          |  |  |
| MN05006002Z (AWB2723-1617) SmartWire-DT, il sistema - italiano   | ftp://ftp.moeller.net/D0CUMENTATION/AWB_MANUALS/MN05006002Z_IT.pdf          |  |  |