## LED element, red, base fixing, cage clamp

Part no. M22-CLEDC230-R

216579

**EL Number** 4355785

(Norway)



| General specifications                 |  |
|--|--|
| Product name                           | Eaton Moeller® series M22 Accessory LED  |
| Part no.                               | M22-CLEDC230-R   |
| EAN                                    | 4015082165796  |
| Product Length/Depth                   | 39 millimetre  |
| Product height                         | 39 millimetre  |
| Product width                          | 10 millimetre  |
| Product weight                         | 0.01 kilogram  |
| Compliances                            | CE Marked  |
| Certifications                         | CSA Std. C22.2 No. 94-91 CSA Std. C22.2 No. 14-05 EN 60947-5 UL 508 IEC 60947-5 VDE UL Category Control No.: NKCR IEC 60947-5-1 IEC/EN 60947-5 CE CSA File No.: 012528 UL CSA-C22.2 No. 94-91 CSA Class No.: 3211-03 CSA-C22.2 No. 14-05 UL File No.: E29184 CSA |
| Product Tradename                      | M22  |
| Product Type                           | Accessory  |
| Product Sub Type                       | LED  |
| Catalog Notes                          | Cage Clamp is a registered trademark of Wago Kontakttechnik GmbH/Minden,<br>Germany  |
| Features & Functions                   |  |
| Fitted with:                           | Diode<br>Light source  |
| Light color                            | Red  |
| eneral information                     |  |
| Degree of protection                   | IP20   |
| Lifespan, electrical                   | 100,000 h (at 25°C, according to EN60064)  |
| Operating torque                       | 0.8 N⋅m  |
| Overvoltage category                   | 111  |
| Pollution degree                       | 3  |
| Rated impulse withstand voltage (Uimp) | 6000 V AC  |
| Voltage type                           | AC   |
| Ambient conditions, mechanical         |  |
| Mounting position                      | As required  |
| Shock resistance                       | Mechanical, According to IEC/EN 60068-2-27 30 g, Mechanical, According to IEC/EN 60068-2-27, Sinusoidal shock 11 ms  |
| Climatic environmental conditions      | 30 y, meenanica, According to 166/619 00000-2-21, Siliusuludi Siliuck 11 ilis  |
| Ambient operating temperature - min    | -25 °C   |
| Ambient operating temperature - max    | 70 °C  |
| Ambient storage temperature - min      | 40 °C  |
| Ambient storage temperature - max      | 80 °C  |
| Climatic proofing                      | Damp heat, cyclic, to IEC 60068-2-30<br>Damp heat, constant, to IEC 60068-2-78   |
| Ferminal capacities                    |  |

| Connection to SmartWire-DT Connection type  Contacts Force for positive opening - min  Design verification Equipment heat dissipation, current-dependent Pvid  Heat dissipation capacity Pdiss  Heat dissipation per pole, current-dependent Pvid  Rated operational current for specified heat dissipation (IIn)  Da A  Static heat dissipation, non-current-dependent Pvs  10.2.2 Corrosion resistance  10.2.3.1 Verification of thermal stability of enclosures  Meets the product standard's requirements.  10.2.3.2 Verification of thermal stability of enclosures  Meets the product standard's requirements.  10.2.3 Resist of insul. mat. to abnormal heat/fire by internal elect. effects  Meets the product standard's requirements.  10.2.4 Resistance to ultra-violet (IVI) radiation  Meets the product standard's requirements.  10.2.5 Lifting  Does not apply, since the entire switchgear needs to be evaluated.  10.2.5 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.  10.5 Protection against electric shock  Does not apply, since the entire switchgear needs to be evaluated.  10.6 Incorporation of switching devices and components  10.7 Internal electrical circuits and connections  10.8 Connections for external conductors  10.9 Power-frequency electric strength  10.9 Connections for external conductors  10.9 Internal electrical circuits and connections  10.1 Temperature rise  10.2 Temperature rise  10.3 Impulse withstand voltage   | Terminal capacity (solid)  | 0.75 - 2.5 mm <sup>2</sup>   |
|--|--|--|
| Paster consumption  Rated quantitation voltage (UI)  Sated organization current (vi) - min  Rated operational voltage (Ue) at AC - minx  Rated operational voltage (Ue) at AC - minx  Rated operational voltage (Ue) at DC - min  Rated operational voltage (Ue) at DC - min  Rated operational voltage (Ue) at DC - min  Connection its SharetWire-DT  Connection its SharetWire-DT  Connection its SharetWire-DT  Connection the SharetWire-DT | Terminal capacity (stranded)   | 0.5 - 2.5 mm <sup>2</sup>  |
| Reted president current (1e) - min Reted operational current (1e) - mix Reted operational current (1e) - mix Reted operational voltage (1ue) at AC - mix Reted operational voltage (1ue) at DC - mix OV Reted operational voltage (1ue) at DC - mix Reted operational voltage (1ue) at DC - mix OV Commercion for SmartWire-DT Comercion in SmartWire-DT Comercion in SmartWire-DT Comercion for  | Electrical rating  |  |
| Rated operational current (le) - min  Rated operational current (le) - max  Rated operational current (le) - max  Rated operational voltage (le) at AC - max  Rated operational voltage (le) at AC - min  Rated operational voltage (le) at AC - min  Rated operational voltage (le) at AC - min  Rated operational voltage (le) at DC - min  Commercian is SmartWine-DT  Connection is SmartWine-DT  Connection to SmartWine-DT  No  ON  Design verification  ON  Contacts  Con | Power consumption  | Max. 0.33 W  |
| Rand operational current (le) - max  Rand operational violage (le) et AC - mix  Rand operational violage (le) et DC - max  Rand operational current (le) - max  Ra | Rated insulation voltage (Ui)  | 500 V  |
| Rated operational voltage (Ue) at AC - max  Rated operational voltage (Ue) at AC - min  Connection  Connection ts SmirtWire-DT  Connection type  Confacts  Force for positive opening - min  Dosign verification  Ceujoment heat dissipation, current-dependent Pvid  Heat dissipation on apacity Pdiss  DV  Heat dissipation on per pole, current-dependent Pvid  Heat dissipation on per pole, current-dependent Pvid  Heat dissipation on per pole, current-dependent Pvid  Rated operational current rependent experiments  Static heat dissipation, on-current-dependent Pvid  10.2 Cornosion resistance  Mests the product standard's requirements.  10.2.3 Verification of resistance of insulating materials to normal heat  10.2.3 Verification of resistance of insulating materials better the feets  10.2.4 Resistance to ultra-violet (UV) radiation  10.2.5 Utting  10.2.6 Mechanical impact  10.2.7 Internal electric circuits and components  10.2.8 Mechanical impact  10.9 Does not apply, since the entire switchgear needs to be evaluated.  10.1 Internal electric circuits and components  10.2 Internal electric circuits and components  10.3 Internal electric circuits and components  10.4 Internal electric circuits and components  10.5 Internal electric circui | Rated operational current (le) - min   | 5 mA   |
| Rated operational voltage (Ue) at AC - min Rated operational voltage (Ue) at CC - max Rated operational voltage (Ue) at CC - min  Communication  Connection to SmartWire-DT  Response the description of the state of the sta | Rated operational current (le) - max   | 15 mA  |
| Rated operational voltage (Ue) at DC - max  Rated operational voltage (Ue) at DC - min  Communication  Connection to ShartWrite-DT  Connection type  Contacts  Farce for positive opening - min  Design verification  Equipment heat dissipation, current-dependent Pvid  Not Sispation capacity Pdiss  Heat dissipation per pole, current-dependent Pvid  Not Sispation capacity Pdiss  Heat dissipation, current-dependent Pvid  Not W  Heat dissipation per pole, current-dependent Pvid  Not W  Static heat dissipation, non-current-dependent Pvid  Not Static heat dissipation, non-current-dependent Pvid  Neets the product standard's requirements.  Neets the product standard's require | Rated operational voltage (Ue) at AC - max                                       | 264 V  |
| Rated operational voltage (Ue) at DC - min  Communication  Connection to SmartWire-DT  Connection type  Contacts  Force for positive opening - min  Design verification  Equipment heat dissipation, current-dependent Pvid  Atent dissipation par pole, current-dependent Pvid  Heat dissipation par pole, current-dependent Pvid  Heat dissipation, non-current for specified heat dissipation (In)  Static heat dissipation, non-current-dependent Pvid  Heat dissipation, non-current-dependent Pvid  DV  Heat dissipation par pole, current-dependent Pvid  Heat dissipation in specification  Static heat dissipation, non-current-dependent Pvid  Heat dissipation non-current dependent Pvid  DV  10.2.2 Corrosion resistance  Meats the product standard's requirements.  10.2.3.1 Verification of frestiance of insulating materials to normal heat  10.2.2.3.1 Verification of resistance of insulating material elect effects  Meats the product standard's requirements.  10.2.2.3.2 Verification of resistance of insulating material elect effects  Meats the product standard's requirements.  10.2.3.2 Floritance to ultra-violet (IV) rediction  Meats the product standard's requirements.  10.2.4 Resistance to ultra-violet (IV) rediction  Meats the product standard's requirements.  10.2.5 Lifting  Does not apply, since the entire swritchgear needs to be evaluated.  10.2.7 Insertinal electrical circuits and connections  10.3. Degree of protection of assemblies  Does not apply, since the entire swritchgear needs to be evaluated.  10.4. Resistance of advision devices and components  10.5. Protection against electric shock  Does not apply, since the entire swritchgear needs to be evaluated.  10.6. Incorporation of switching devices and components  10.6. Decorporation of switching devices and components  10.7. Internal electrical circuits and connections  10.8. Dependent of the verifications for external conductors  10.9. Protection against electric steepth  10.9. A Testing of enclosures made of insulating material  10.9. A Testing of enclosures made of ins | Rated operational voltage (Ue) at AC - min                                       | 85 V   |
| Connection to SmartWire-DT Connection type Contacts Force for positive opening - min Design verification Equipment heat dissipation, current-dependent Pvid Heat dissipation, current-dependent Pvid Heat dissipation per polic, current-dependent Pvid OW Rated operational current for specified heat dissipation (in) A Static heat dissipation, or profit, current-dependent Pvid OW Rated operational current for specified heat dissipation (in) A Static heat dissipation, or profit, current-dependent Pvid OW Rated operational current for specified heat dissipation (in) A Static heat dissipation, or profit, current-dependent Pvid OW Rated operational current for specified heat dissipation (in) A Static heat dissipation, one current-dependent Pvi OW Rated operational current for specified heat dissipation (in) A Static heat dissipation, one current-dependent Pvi OW Rated operational current for specified heat dissipation (in) A Meets the product standard's requirements.  I U2.2.3 Verification of ferisistance of insulating materials to normal heat I U2.2.3 Verification of resistance of insulating materials to normal heat I U2.2.3 Verification of terisistance of insulating materials to normal heat I U2.2.3 Price for insul. mat. to abnormal heat/Tre by internal elect. effects I U2.2.4 Resistance to altra-violet (I/Uy radiation I U2.4 Resistance to altra-violet (I/Uy radiation I U2.5 Liffering Dess not apply, since the entries switchgear needs to be evaluated.  I U2.5 Liffering Dess not apply, since the entries switchgear needs to be evaluated.  Meets the product standard's requirements.  Does not apply, since the entries switchgear needs to be evaluated.  I U2.6 Composition of switching devices and compenents I U3.6 Composition of resternal conductors I I She panel builder's responsibility, I I Short-circuit attein I U2.6 Composition of resternal conductors I I She panel builder's responsibility, I I She pane | Rated operational voltage (Ue) at DC - max                                       | 0 V  |
| Connection to SmartWire-DT Connection type  Contacts  Force for positive opening - min  Design verification  Equipment hard dissipation, current-dependent Pvid Heat dissipation capacity Pdiss  Guy Heat dissipation per pole, current-dependent Pvid Heat dissipation for specified heat dissipation (In) Static heat dissipation, non-current-dependent Pvid Heat dissipation of period the development of the product standard's requirements.  Heat dissipation of thermal stability of enclosures Heat dissipation of the requirements. Heat the product standard's requirements.  Heat the product standard's requirements. Heat the product standard's requirements. Heat the product standard's requirements. Heat the product standard's requirements. Heat the product standard's requirements. Heat the product standard's requirements. Heat the product standard's requirements. Heat the product standard's requirements. Heat the product standard's requirements. Heat dissipation data for the entire switchagear needs to be evaluated. Heat the product standard's requirements. Heat the product standard's requirements.  Heat dissipation data for the entire switchagear needs to be evaluated. Heat dissipation data for the entire switchagear needs to be evaluated. Heat dissipation data for the entire switchagear needs to be evaluated. Heat dissi | Rated operational voltage (Ue) at DC - min                                       | 0 V  |
| Connection type  Contacts Force for positive opening - min  Design verification  Equipment heat dissipation, current-dependent Pvid  Heat dissipation apacity Pdiss  Heat dissipation per pole, current-dependent Pvid  Heat dissipation, non-current-dependent Pvid  Heat dissipation, non-current-dependent Pvid  Heat dissipation, non-current-dependent Pvid  Heat dissipation, non-current-dependent Pvis  Heat dissipation of series and conduction  Heat the product standard's requirements.  Does not apply, since the entire switchgear needs to be evaluated.  Heat dissipation data for evaluated by evaluated.  Heat dissipation data for evaluated by evaluated.  Heat dissipation data for evaluated by evaluated.  Heat  | Communication  |  |
| Contacts Force for positive opening - min  Design everification  Equipment heat dissipation, current-dependent Pvid  Authority of the lat dissipation per pole, current-dependent Pvid  Reted operational current for specified heat dissipation (In)  Reted the product standard's requirements.  | Connection to SmartWire-DT   | No   |
| Posign verification  Equipment heat dissipation, current-dependent Pvid DW  Heat dissipation capacity Pdiss DW  Heat dissipation per pole, current-dependent Pvid DW  Rated operational current for specified heat dissipation (In) DA  Stratic heat dissipation, non-current-dependent Pvid DW  10.22 Corrosion resistance Meets the product standard's requirements.  10.23.1 Verification of thermal stability of enclosures Meets the product standard's requirements.  10.23.2 Verification of resistance of insultanting materials to normal heat  10.23.3 Resist of insult mart to abnormal heat/fire by internal elect. effects Meets the product standard's requirements.  10.24 Resistance to ultra-violet (UV) radiation Meets the product standard's requirements.  10.25 Lifting Does not apply, since the entire switchgear needs to be evaluated.  10.25 Lifting Does not apply, since the entire switchgear needs to be evaluated.  10.27 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.  10.5 Protection against electric shock Does not apply, since the entire switchgear needs to be evaluated.  10.6 Connections for external conductors Does not apply, since the entire switchgear needs to be evaluated.  10.7 Internal electrical circuits and connections Section of switching devices and components Does not apply, since the entire switchgear needs to be evaluated.  10.8 Connections for external conductors Section of switching devices and components Does not apply, since the entire switchgear needs to be evaluated.  10.9 Power-frequency electric strength Section of the switchgear needs to be evaluated.  10.9 Power-frequency electric strength Section of external conductors Section of the switchgear needs to be evaluated for the devices.  10.1 Short-circuit rating Section of the switchgear must be observed.  10.13 Mechanical function Heat-free sponsibility. | Connection type  | Base fixing  |
| Design verification  Equipment heat dissipation, current-dependent Pvid 0W  Heat dissipation capacity Pdiss 0W  Heat dissipation capacity Pdiss 0W  Heat dissipation capacity Pdiss 0W  Rated operational current for specified heat dissipation (In) 0A  Static heat dissipation, non-current-dependent Pvid 0W  10.2.2 Corrosion resistance 1West shapped of the state of the state of the state of the product standard's requirements.  10.2.3 Verification of thermal stability of enclosures 10.2.3 Verification of resistance of insulating materials to normal heat 10.2.3 Resist of insul. nat. to abnormal heat/fire by internal elect. effects 10.2.4 Verification of the state o | Contacts   |  |
| Equipment heat dissipation, current-dependent Pvid  Heat dissipation capacity Pdiss  0 W  Rated operational current for specified heat dissipation (In)  Rated operational current for specified heat dissipation (In)  102.2 Corrosion resistance  Meets the product standard's requirements.  102.3.1 Verification of thermal stability of enclosures  Meets the product standard's requirements.  102.3.2 Verification of resistance of insulating materials to normal heat  102.3.3 Resist of insul mat to abnormal heat/fire by internal elect effects  Meets the product standard's requirements.  102.4 Resistance to ultra-violet (UV) radiation  102.5 Uffing  Does not apply, since the entire switchgarn needs to be evaluated.  102.7 Inscriptions  Meets the product standard's requirements.  103.3 Degree of protection of assemblies  104.4 Clearances and creapage distances  Meets the product standard's requirements.  105.4 Decendent of assemblies  105.5 Protection against electric shock  106.6 Incorporation of switching devices and components  107.5 Internal electrical circuits and connections  108.6 Connections for external conductors  109.7 Internal electrical circuits and connections  109.8 Connections for external conductors  109.9 Power-frequency electric strength  109.4 Testing of enclosures made of insulating material  109.9 Power-frequency electric strength  109.4 Testing of enclosures made of insulating material  109.1 Testing is enclosures made of insulating material  109.1 Testing is enclosures made of insulating material  109.2 Power-frequency electric strength  109.3 Testing of enclosures made of insulating material  109.4 Testing of enclosures made of insulating material  109.5 Testing of enclosures made of insulating material  109.6 Testing of enclosures made of insulating material  109.7 Testing of enclosures made of insulating material  109.8 Testing of enclosures made of insulating material  109.9 Testing of enclosures made of insulating material  109.1 Testing of enclosures made of insulating material  109.1 Testing | Force for positive opening - min   | 0 N  |
| Heat dissipation capacity Pdiss  Heat dissipation per pole, current-dependent Pvid  Rated operational current for specified heat dissipation (In)  Static heat dissipation, non-current-dependent Pvs  1 W  10.22 Corrosion resistance  Meets the product standard's requirements.  10.2.3.1 Verification of fresistance of insulating materials to normal 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  Does not apply, since the entire switchgear needs to be evaluated.  10.2.7 Inscriptions  Meets the product standard's requirements.  Meets the product standard's requirements.  10.3 Degree of protection of assemblies  Does not apply, since the entire switchgear needs to be evaluated.  Meets the product standard's requirements.  Meets the product standard's requirements.  Does not apply, since the entire switchgear needs to be evaluated.  Meets the product standard's requirements.  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.  10.6 Incorporation of switching devices and components  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.  10.9.4 Testing of enclosures made of insulating material  10.10 Temperature rise  The panel builder's responsibility. The specifications for the swi | Design verification  |  |
| Heat dissipation capacity Pdiss  Heat dissipation per pole, current-dependent Pvid  Rated operational current for specified heat dissipation (In)  OA  Static heat dissipation, non-current-dependent Pvs  1 W  10.22 Corrosion resistance  Meets the product standard's requirements.  10.23.1 Verification of thermal stability of enclosures  Meets the product standard's requirements.  10.23.2 Resistance of insulating materials to normal heat  10.23.3 Resist of insul. mat. to abnormal heat/fire by internal elect. effects  10.24. Resistance to ultra-violet (UV) radiation  Meets the product standard's requirements.  10.25. Lifting  Does not apply, since the entire switchgear needs to be evaluated.  10.25. 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.  10.5 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.  10.9.4 Testing of enclosures made of insulating material  10.10 Temperature rise  The panel builder's responsibility.  10.11 Short-circuit rating  Lis the panel builder's responsibility.  10.12 Electromagnetic compatibility  Lis 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  | Equipment heat dissipation, current-dependent Pvid                               | 0 W  |
| Rated operational current for specified heat dissipation (In)  Static heat dissipation, non-current-dependent Pvs  1 W  10.22 Corrosion resistance  Meets the product standard's requirements.  10.2.3.1 Verification of thermal stability of enclosures  Meets the product standard's requirements.  10.2.3.2 Verification of resistance of insulating materials to normal heat  Meets the product standard's requirements.  10.2.3.3 Resists, of insul, mat, to abnormal heat/fire by internal elect, effects  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  Does not apply, since the entire switchgear needs to be evaluated.  10.2.5 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.  10.5 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.  10.9 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  The panel builder's responsibility.  10.11 Short-circuit rating  Is the panel builder's responsibility. The specifications for the switchgear must b observed.  10.12 Electromagnetic compatibility  Is the panel builder's responsibility. The specifications for the switchgear must b observed.  10.13 Mechanical function  The device meets the requirements, provided the information in the instruction  | · · · · · · · · · · · · · · · · · · ·  | 0 W  |
| Static heat dissipation, non-current-dependent Pvs  1 W  10.22 Corrosion resistance  10.23.1 Verification of thermal stability of enclosures  10.23.2 Verification of resistance of insulating materials to normal heat  10.23.3 Resists of insul. mat. to abnormal heatlifie by internal elect. effects  10.24.3 Resistance to ultra-violet (UV) radiation  10.25 Lifting  10.25 Lifting  10.26 Mechanical impact  10.27 Inscriptions  10.3 Degree of protection of assemblies  10.3 Degree of protection of assemblies  10.4 Clearances and creepage distances  10.5 Protection against electric shock  10.6 Incorporation of switching devices and components  10.7 Internal electrical circuits and connections  10.8 Connections for external conductors  10.9 Power-frequency electric strength  10.9.1 Testing of enclosures made of insulating material  10.10 Temperature rise  10.11 Short-circuit rating  10.13 Mechanical function  10.13 Mechanical function  10.10 Temperature compatibility  10.11 Short-circuit rating  10.13 Mechanical function  10.13 Mechanical function  10.14 Meets the product standard's requirements.  10.15 Meets the product standard's requirements.  10.16 Meets the product standard's requirements.  10.17 Meets the product standard's requirements.  10.18 Meets the product standard's requirements.  10.29 Does not apply, since the entire switchgear needs to be evaluated.  10.5 Incorporation of switching devices and components  10.6 Incorporation of switching devices and components  10.7 Internal electrical circuits and connections  10.8 Lepanel builder's responsibility.  10.9 The panel builder's responsibility.  10.9 The panel builder's responsibility.  10.10 Temperature rise  10.11 Short-circuit rating  10.12 Electromagnetic compatibility  10.13 Mechanical function  10.14 Meets the product standard's requirements.  10.15 Meets the product standard's requirements.   | Heat dissipation per pole, current-dependent Pvid                                | 0 W  |
| 10.2.2 Corrosion resistance 10.2.3.1 Verification of thermal stability of enclosures 10.2.3.2 Verification of thermal stability of enclosures 10.2.3.3 Resist. of insul. mat. to abnormal heat/fire by internal elect. effects 10.2.4 Resistance to ultra-violet (UV) radiation 10.2.5 Lifting 10.2.6 Mechanical impact 10.2.7 Inscriptions 10.3 Degree of protection of assemblies 10.4 Protection against electric shock 10.5 Protection against electric shock 10.6 Incorporation of switching devices and components 10.7 Internal electrical circuits and connections 10.8 Connections for external conductors 10.9 Power-frequency electric strength 10.9.1 Testing of enclosures made of insulating material 10.9.3 Impulse withstand voltage 10.10 Temperature rise 10.11 Short-circuit rating 10.12 Electromagnetic compatibility 10.13 Mechanical function  Meets the product standard's requirements.  Does not apply, since the entire switchgear needs to be evaluated.  Meets the product standard's requirements.  Does not apply, since the entire switchgear needs to be evaluated.  Meets the product standard's requirements.  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.  10.6 Incorporation of switching devices and components  10.7 Internal electrical circuits and connections  1 Is the panel builder's responsibility.  1 Is the panel builder's responsibility. The specifications for the switchgear must be observed.  1 Is the panel builder's responsibility. The specifications for the switchgear must be observed.  | Rated operational current for specified heat dissipation (In)                    | 0 A  |
| 10.2.3.1 Verification of thermal stability of enclosures 10.2.3.2 Verification of resistance of insulating materials to normal heat 10.2.3.2 Resist. of insul. mat. to abnormal heat/fire by internal elect. effects 10.2.4 Resistance to ultra-violet (UV) radiation 10.2.5 Lifting 10.2.6 Mechanical impact 10.2.7 Inscriptions 10.3 Degree of protection of assemblies 10.4 Clearances and creepage distances 10.5 Protection against electric shock 10.6 Incorporation of switching devices and components 10.7 Internal electrical circuits and connections 10.7 Internal electrical circuits and connections 10.8 Connections for external conductors 10.9.2 Power-frequency electric strength 10.9.3 Impulse withstand voltage 10.9.4 Testing of enclosures made of insulating material 10.10 Temperature rise 10.11 Short-circuit rating 10.12 Electromagnetic compatibility 10.13 Mechanical function 10.13 Mechanical function  Meets the product standard's requirements.  Meets the product standard's requirements.  Does not apply, since the entire switchgear needs to be evaluated.  Does not apply, since the entire switchgear needs to be evaluated.  Does not apply, since the entire switchgear needs to be evaluated.  Does not apply, since the entire switchgear needs to be evaluated.  Does not apply, since the entire switchgear needs to be evaluated.  Does not apply, since the entire switchgear needs to be evaluated.  Does not apply, since the entire switchgear needs to be evaluated.  Does not apply, since the entire switchgear needs to be evaluated.  Is the panel builder's responsibility.  Is the panel builder's responsibility.  In panel builder's responsibility. The specifications for the switchgear must be observed.  In the panel builder's responsibility. The specifications for the switchgear must be observed.   | Static heat dissipation, non-current-dependent Pvs                               | 1 W  |
| 10.2.3.2 Verification of resistance of insulating materials to normal heat  10.2.3.3 Resist. of insul. mat. to abnormal heat/fire by internal elect. effects  10.2.4 Resistance to ultra-violet (UV) radiation  10.2.5 Lifting  10.2.6 Mechanical impact  10.2.6 Mechanical impact  10.2.7 Inscriptions  10.3 Degree of protection of assemblies  10.3 Degree of protection of assemblies  10.4 Clearances and creepage distances  10.5 Protection against electric shock  10.6 Incorporation of switching devices and components  10.7 Internal electrical circuits and connections  10.8 Connections for external conductors  10.9 Power-frequency electric strength  10.9.1 Testing of enclosures made of insulating material  10.10 Temperature rise  10.11 Short-circuit rating  10.12 Electromagnetic compatibility  10.13 Mechanical function  Meets the product standard's requirements.  Meets the product standard's requirements.  Does not apply, since the entire switchgear needs to be evaluated.  Does not apply, since the entire switchgear needs to be evaluated.  Does not apply, since the entire switchgear needs to be evaluated.  10.7 Internal electrical circuits and connections  1 s the panel builder's responsibility.  1 s the panel builder's responsibility. The specifications for the switchgear must be observed.  1 s the panel builder's responsibility. The specifications for the switchgear must be observed.  | 10.2.2 Corrosion resistance  | Meets the product standard's requirements.   |
| 10.2.3.3 Resist. of insul. mat. to abnormal heat/fire by internal elect. effects  10.2.4 Resistance to ultra-violet (UV) radiation  Meets the product standard's requirements.  10.2.5 Lifting  Does not apply, since the entire switchgear needs to be evaluated.  10.2.6 Mechanical impact  Does not apply, since the entire switchgear needs to be evaluated.  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.  10.5 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.  10.9.2 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  10.10 Temperature rise  The panel builder's responsibility. The specifications for the switchgear must b observed.  10.11 Short-circuit rating  Is the panel builder's responsibility. The specifications for the switchgear must b observed.  10.12 Electromagnetic compatibility  The device meets the requirements, provided the information in the instruction  | 10.2.3.1 Verification of thermal stability of enclosures                         | 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  Does not apply, since the entire switchgear needs to be evaluated.  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.  10.5 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.  10.9.2 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  10.10 Temperature rise  The panel builder's responsibility.  10.11 Short-circuit rating  Is the panel builder's responsibility. The specifications for the switchgear must b observed.  10.12 Electromagnetic compatibility  Is the panel builder's responsibility. The specifications for the switchgear must b observed.  10.13 Mechanical function  The device meets the requirements, provided the information in the instruction   | 10.2.3.2 Verification of resistance of insulating materials to normal heat       | Meets the product standard's requirements.   |
| 10.2.5 Lifting  Does not apply, since the entire switchgear needs to be evaluated.  10.2.6 Mechanical impact  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.  10.4 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.  10.9.2 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  The panel builder's responsibility.  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.   | 10.2.3.3 Resist. of insul. mat. to abnormal heat/fire by internal elect. effects | Meets the product standard's requirements.   |
| 10.2.6 Mechanical impact  10.2.7 Inscriptions  Meets the product standard's requirements.  10.3 Degree of protection of assemblies  10.4 Clearances and creepage distances  Meets the product standard's requirements.  10.5 Protection against electric shock  10.6 Incorporation of switching devices and components  10.7 Internal electrical circuits and connections  10.8 Connections for external conductors  10.9 Power-frequency electric strength  10.9.3 Impulse withstand voltage  10.9.4 Testing of enclosures made of insulating material  10.10 Temperature rise  10.11 Short-circuit rating  10.12 Electromagnetic compatibility  10.13 Mechanical function  10.13 Mechanical function  10.14 Electromagnetic compatibility  10.15 Age and builder's responsibility. The specifications for the switchgear must be observed.  10.10 The device meets the requirements, provided the information in the instruction   | 10.2.4 Resistance to ultra-violet (UV) radiation                                 | Meets the product standard's requirements.   |
| 10.27 Inscriptions  10.3 Degree of protection of assemblies  10.4 Clearances and creepage distances  10.5 Protection against electric shock  10.6 Incorporation of switching devices and components  10.7 Internal electrical circuits and connections  10.8 Connections for external conductors  10.9 Power-frequency electric strength  10.9.3 Impulse withstand voltage  10.9.4 Testing of enclosures made of insulating material  10.10 Temperature rise  10.11 Short-circuit rating  10.12 Electromagnetic compatibility  10.13 Mechanical function  Meets the product standard's requirements.  Does not apply, since the entire switchgear needs to be evaluated.  Does not apply, since the entire switchgear needs to be evaluated.  Incorporation of switching devices and components  Does not apply, since the entire switchgear needs to be evaluated.  Incorporation of switching devices and components  Is the panel builder's responsibility.  Incorporation of external conductors  Is the panel builder's responsibility.  Incorporation of external conductors  Is the panel builder's responsibility.  Incorporation of external conductors  Is the panel builder's responsibility.  Incorporation of external conductors  Is the panel builder's responsibility.  Incorporation of external conductors  Is the panel builder's responsibility.  Incorporation of external conductors  Is the panel builder's responsibility.  Incorporation of the temperature rise calculation. Eaton will provide heat dissipation data for the devices.  Incorporation of the external conductors  Is the panel builder's responsibility. The specifications for the switchgear must be observed.  Incorporation of the external conductors  Incorporation of the external conductors  Incorporation of the external conductors  Incorporation of external conductors  Incorporat | 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.  10.4 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.  10.9.2 Power-frequency electric strength 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 The panel builder is responsibility. The specifications for the switchgear must be observed.  10.12 Electromagnetic compatibility  10.13 Mechanical function  The device meets the requirements, provided the information in the instruction  | 10.2.6 Mechanical impact   | Does not apply, since the entire switchgear needs to be evaluated.                             |
| 10.4 Clearances and creepage distances  10.5 Protection against electric shock  10.6 Incorporation of switching devices and components  10.7 Internal electrical circuits and connections  10.8 Connections for external conductors  10.9.2 Power-frequency electric strength  10.9.4 Testing of enclosures made of insulating material  10.10 Temperature rise  10.11 Short-circuit rating  10.12 Electromagnetic compatibility  10.13 Mechanical function  Meets the product standard's requirements.  Does not apply, since the entire switchgear needs to be evaluated.  10.6 Does not apply, since the entire switchgear needs to be evaluated.  Is the panel builder's responsibility.  The panel builder's responsibility.  Is the panel builder's responsibility.  Is the panel builder's responsibility.  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  | 10.2.7 Inscriptions  | Meets the product standard's requirements.   |
| 10.5 Protection against electric shock  10.6 Incorporation of switching devices and components  10.7 Internal electrical circuits and connections  10.8 Connections for external conductors  10.9.2 Power-frequency electric strength  10.9.3 Impulse withstand voltage  10.9.4 Testing of enclosures made of insulating material  10.10 Temperature rise  10.11 Short-circuit rating  10.12 Electromagnetic compatibility  10.13 Mechanical function  Does not apply, since the entire switchgear needs to be evaluated.  10se not apply, since the entire switchgear needs to be evaluated.  Is the panel builder's responsibility.  The panel builder's responsibility.  Is the panel builder is responsibility.  Is the panel builder's responsibility.  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  | 10.3 Degree of protection of assemblies  | Does not apply, since the entire switchgear needs to be evaluated.                             |
| 10.6 Incorporation of switching devices and components  10.7 Internal electrical circuits and connections  1s the panel builder's responsibility.  10.8 Connections for external conductors  1s the panel builder's responsibility.  10.9.2 Power-frequency electric strength  1s the panel builder's responsibility.  10.9.3 Impulse withstand voltage  1s the panel builder's responsibility.  1o.9.4 Testing of enclosures made of insulating material  1s the panel builder's responsibility.  10.10 Temperature rise  The panel builder is responsibility.  10.11 Short-circuit rating  1s the panel builder is responsibility. The specifications for the switchgear must be observed.  10.12 Electromagnetic compatibility  1s 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   | 10.4 Clearances and creepage distances   | Meets the product standard's requirements.   |
| 10.7 Internal electrical circuits and connections  10.8 Connections for external conductors  10.9.2 Power-frequency electric strength  10.9.3 Impulse withstand voltage  10.9.4 Testing of enclosures made of insulating material  10.10 Temperature rise  10.11 Short-circuit rating  10.12 Electromagnetic compatibility  10.13 Mechanical function  Is the panel builder's responsibility.  Is the panel builder's responsibility.  The panel builder is responsibility.  The panel builder is responsibility.  Is the panel builder is responsibility.  The panel builder is responsibility. The specifications for the switchgear must be observed.  The device meets the requirements, provided the information in the instruction   | 10.5 Protection against electric shock   | Does not apply, since the entire switchgear needs to be evaluated.                             |
| 10.8 Connections for external conductors  10.9.2 Power-frequency electric strength  10.9.3 Impulse withstand voltage  10.9.4 Testing of enclosures made of insulating material  10.10 Temperature rise  10.11 Short-circuit rating  10.12 Electromagnetic compatibility  10.13 Mechanical function  10.14 Steppens builder's responsibility. The specifications for the switchgear must builder's responsibility. The device meets the requirements, provided the information in the instruction   | 10.6 Incorporation of switching devices and components                           | Does not apply, since the entire switchgear needs to be evaluated.                             |
| 10.9.2 Power-frequency electric strength  10.9.3 Impulse withstand voltage  10.9.4 Testing of enclosures made of insulating material  10.10 Temperature rise  10.11 Short-circuit rating  10.12 Electromagnetic compatibility  10.13 Mechanical function  Is the panel builder's responsibility.  Is the panel builder's responsibility.  The panel builder is responsible for the temperature rise calculation. Eaton will provide heat dissipation data for the devices.  Is the panel builder's responsibility. The specifications for the switchgear must be observed.  In the panel builder's responsibility. The specifications for the switchgear must be observed.  The device meets the requirements, provided the information in the instruction   | 10.7 Internal electrical circuits and connections                                | Is the panel builder's responsibility.   |
| 10.9.3 Impulse withstand voltage  10.9.4 Testing of enclosures made of insulating material  10.10 Temperature rise  10.11 Short-circuit rating  10.12 Electromagnetic compatibility  10.13 Mechanical function  Is the panel builder's responsibility.  The panel builder is responsible for the temperature rise calculation. Eaton will provide heat dissipation data for the devices.  Is the panel builder's responsibility. The specifications for the switchgear must be observed.  Is the panel builder's responsibility. The specifications for the switchgear must be observed.  The device meets the requirements, provided the information in the instruction   | 10.8 Connections for external conductors   | Is the panel builder's responsibility.   |
| 10.9.4 Testing of enclosures made of insulating material  10.10 Temperature rise  The panel builder is responsible for the temperature rise calculation. Eaton will provide heat dissipation data for the devices.  10.11 Short-circuit rating  Is the panel builder's responsibility. The specifications for the switchgear must b observed.  10.12 Electromagnetic compatibility  Is the panel builder's responsibility. The specifications for the switchgear must b observed.  10.13 Mechanical function  The device meets the requirements, provided the information in the instruction   | 10.9.2 Power-frequency electric strength   | Is the panel builder's responsibility.   |
| 10.10 Temperature rise  The panel builder is responsible for the temperature rise calculation. Eaton will provide heat dissipation data for the devices.  10.11 Short-circuit rating  Is the panel builder's responsibility. The specifications for the switchgear must b observed.  10.12 Electromagnetic compatibility  Is the panel builder's responsibility. The specifications for the switchgear must b observed.  10.13 Mechanical function  The device meets the requirements, provided the information in the instruction   | 10.9.3 Impulse withstand voltage   | Is the panel builder's responsibility.   |
| provide heat dissipation data for the devices.  10.11 Short-circuit rating Is the panel builder's responsibility. The specifications for the switchgear must b observed.  10.12 Electromagnetic compatibility Is the panel builder's responsibility. The specifications for the switchgear must b observed.  10.13 Mechanical function The device meets the requirements, provided the information in the instruction  | 10.9.4 Testing of enclosures made of insulating material                         | Is the panel builder's responsibility.   |
| observed.  10.12 Electromagnetic compatibility  Is the panel builder's responsibility. The specifications for the switchgear must b observed.  10.13 Mechanical function  The device meets the requirements, provided the information in the instruction   | 10.10 Temperature rise   |  |
| observed.  10.13 Mechanical function  The device meets the requirements, provided the information in the instruction   | 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  |  |

## **Technical data ETIM 9.0**

Low-voltage industrial components (EG000017) / Lamp holder block for control circuit devices (EC000204)

Electric engineering, automation, process control engineering / Low-voltage switch technology / Command and alarm device / Bulb socket block for command and alarm devices (pc)(@s13-27-37-12-09 (AKE077019))

| (ecl@ss13-27-37-12-09 [AKF027019])          |      |
|---|------|
| Transformer integrated                      | No   |
| With integrated voltage decreasing resistor | No   |
| With light source                           | Yes  |
| With integrated diode                       | Yes  |
| Lamp holder                                 | None |

| Detect with the III at AC FO II-  | V | 05 004                  |
|-----------------------------------|---|-------------------------|
| Rated voltage Ue at AC 50 Hz      | V | 85 - 264                |
| Rated voltage Ue at AC 60 Hz      | V | 85 - 264                |
| Rated voltage Ue at DC            | V | 0 - 0                   |
| Voltage type for actuating        |   | AC                      |
| Lamp type                         |   | LED                     |
| Connection type auxiliary circuit |   | Spring clamp connection |
| Colour light source               |   | Red                     |
| Type of fastening                 |   | Floor fastening         |