DATASHEET - M22-LED-R

LED element, red, front mount, 12-30VAC/DC



M22-LED-R 216558

General specifications	
Product name	Eaton Moeller® series M22 Accessory LED
Part no.	M22-LED-R
EAN	4015082165581
Product Length/Depth	38 millimetre
Product height	10 millimetre
Product width	37 millimetre
Product weight	0.011 kilogram
Compliances	Contact Manufacturer
Certifications	UL Category Control No.: NKCR CSA Class No.: 3211-03 CSA-C22.2 No. 94-91 CSA-C22.2 No. 14-05 CSA UL File No.: E29184 IEC 60947-5-1 UL UL UL 508 IEC/EN 60947-5 CE CSA File No.: 012528
Product Tradename	M22
Product Type	Accessory
Product Sub Type	LED
Features & Functions	
Fitted with:	Diode Light source
Light color	Red
General information	
Degree of protection	IP20
Lifespan, electrical	100,000 h (at 25°C, according to EN60064)
Operating torque	0.8 N·m
Overvoltage category	III
Pollution degree	3
Rated impulse withstand voltage (Uimp)	6000 V AC
Voltage type	AC/DC
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	
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, constant, to IEC 60068-2-78 Damp heat, cyclic, to IEC 60068-2-30
Terminal capacities	
Terminal capacity (solid)	0.75 - 2.5 mm ²
Terminal capacity (stranded)	0.5 - 2.5 mm ²
Electrical rating	
Power consumption	Max. 0.26 W
Rated insulation voltage (Ui)	500 V

And expensional current (b) - max and expensional current (b) - max Rated operational current (b) - max 30 V Rated operational verbage (b) at AC - max 30 V Rated operational verbage (b) at AC - max 12 V Rated operational verbage (b) at AC - mix 12 V Rated operational verbage (b) at AC - mix No Communication No Connection to SearWine-DT No Connection to SearWine-DT No Connection to SearWine-DT No Rest operational verbage (b) at AC - mix No Connection to SearWine-DT No Connection to SearWine-DT No Rest operational verbage (b) at at C - mix No Particle (c) at at at at a particle (c) at	Rated operational current (Ie) - min	5 mA
Rated operational voltage (Ue) at AC - min S0 V Rated operational voltage (Ue) at AC - min S0 V Rated operational voltage (Ue) at AC - min S0 V Rated operational voltage (Ue) at AC - min S0 V Rated operational voltage (Ue) at AC - min S0 V Rated operational voltage (Ue) at AC - min S0 V Communication S0 V Connection to SumtWive-DT No Connection type No Connection type No Parce for positive opening - min No Design entification No Rated operational voltage (Ue) at AC - min formg No Rated operational voltage (Ue) at AC - min formg No Rated operational voltage (Ue) at AC - min formg No Rated operational voltage (Ue) at AC - min formg No Rated operational voltage (Ue) at AC - min formg No Rated operational voltage (Ue) at AC - min formg No Rated operational voltage (Ue) at AC - min formg No Rated operational voltage (Ue) at AC - min formg No Rated operational voltage (Ue) at AC - min formg No Rated ope		
Retad operational voltage (Ua) a DC - max I2 V Retad operational voltage (Ua) a DC - max I2 V Retad operational voltage (Ua) a DC - max I2 V Communication I2 V Communication I2 V Communication I2 V Communication I2 V Connection ts SmartWire DT No Connection ts SmartWire DT No Connection ts SmartWire DT ON Read operational voltage (Ua) at CC - max No Fore to product standards ON Design verification ON Read operational voltage (Ua) at CC - max ON Read operational current frequendert Pvid ON No ON Read operational voltage (Ua) current-dependert Pvid ON		
Rated operational values (Ue) at DC - max SV Rated operational values (Ue) at DC - min IV Communication IV Connection to SmartWare OT No Connection to SmartWare OT No Connection to SmartWare OT No Force for positive opening-min No Design verification No Engineem that dissipation, current-dependent Pvid No Heat dissipation, current-dependent Pvid V Rated operational values of the ministration of t		
Rated operational voltage (Ue) at DC - min Image: Communication Image: Communication Communication Image: Communication Image: Communication Communication type Image: Communication Image: Communication Contracts Image: Communication Image: Communication Design voltage: Communication type Image: Communication Image: Communication Rest operation of unisation communication type Image: Communication Image: Communication Head dissipation per polo, current-dependent Pvid Image: Communication Image: Communication Note dissipation of presting head dissipation (Im) Image: Communication of restance of insulting materials to normal head Image: Communication of restance of insulting materials to normal head Image: Communication of restance of insulting materials to normal head Image: Communication of restance of insulting materials to normal head Image: Communication of restance of insulting materials to normal head Image: Communication of restance of insulting materials to normal head Image: Communication of restance of insulting materials to normal head Image: Communication of restance of insulting materials to normal head Image: Communication of restance of insulting materials to normal head Image: Communication of restance of insulting materials to normal head Image: Communication of restance of insulting materials to normal head <td></td> <td></td>		
Connection to SmartWire-OT No Connection to SmartWire-OT No Connection to SmartWire-OT Front fining Contection to SmartWire-OT Front fining Contection to SmartWire-OT No Force for positive opening - min No Design verification No Essign verification No Heat dissipation current-dependent Pvid OW Heat dissipation op pole, current-dependent Pvid OW Roted operational current for specified heat dissipation (n) OA 102.21 Verification of resistance of insulating materials to normal heat OA 102.22 Verification of resistance of insulating materials to normal heat Meets the product standard's requirements. 102.23 Verification of resistance of insulating materials to normal heat Meets the product standard's requirements. 102.24 Resistance of insulating materials to normal heat Meets the product standard's requirements. 102.24 Resistance of insulating materials to normal heat Meets the product standard's requirements. 102.24 Resistance of insulating materials to normal heat Meets the product standard's requirements. 102.24 Resistance of insulating materials to normal heat Meets the product standard's		
Connection type No Connection type Fort for positive opening - min Fort for positive opening - min Design vorification 0 No Equipment heat dissipation, current-dependent Pvid 0 No Heat dissipation capacity Pdiss 0 No Rated operational current for specified heat dissipation (n) 0 No Static heat dissipation, current-dependent Pvid 0 No Rated operational current for specified heat dissipation (n) 0 No Static heat dissipation, non-current-dependent Pvid 0.45 W 0.45 W 102.22 Corroson resistance 0.45 W 0.45 W 102.23 Verification of ternist atolity of enclosures 0.45 W 0.45 W 102.24 Verification of ternist heat/fire by internal elect. efforts Meets the product standard's requirements. 102.24 Northold (UV) rudation Meets the product standard's requirements. 0.26 W 102.25 Northold (UV) rudation Meets the product standard's requirements. 0.27 Northold (Standard's requirements. 102.24 Northold (UV) rudation Meets the product standard's requirements. 0.27 Northold (Standard's requirements. 102.25 Nortoct		
Connection type Front fixing Connects Front fixing Force for positive openingmin Image: Connection of positive openingmin Design verification Connection Equiprime that dissipation, current-dependent Pvid Image: Connection of the dependent Pvid Heat dissipation, current-dependent Pvid OW Rated operational current for specification to fragment the dependent Pvid OW Status head dissipation, current-dependent Pvid OW 10.2.2 Corrosion resistance OAS W 10.2.2 Verification of translating instraids to normal head: Meats the product standard's requirements. 10.2.2 Verification of resistance of insulating materials to normal head: Meats the product standard's requirements. 10.2.2 Verification of resistance of insulating materials to normal head: Meats the product standard's requirements. 10.2.2 Shead: discusses Meats the product standard's requirements. 10.2.2 Normalition of resistance of insulating materials to normal head: Meats the product standard's requirements. 10.2.2 Normalition of resistance of insulating materials to normal head: Meats the product standard's requirements. 10.2.2 Normalition of resistance of insulating materials to normal head: Meats the product standard's requirements. </td <td></td> <td></td>		
Contacts		
Pace for positive opening - min 0 Design verification 0 Equipment heat dissipation, current-dependent Pvid 0 Heat dissipation capacity Philss 0 Rated operational current for specified heat dissipation (In) 0 Static heat dissipation, non-current-dependent Pvid 0 Static heat dissipation, non-current-dependent Pva 0.45 W 10.2.2 Vorification of trainsition of themail stability of enclosures 0.45 W 10.2.2 Vorification of resistance of insulating materials to normal heat 0.45 W 10.2.2 Vorification of trainsitic by internal elect. effects Meets the product standard's requirements. 10.2.2 Vorification of sasteme to insulating materials to normal heat Meets the product standard's requirements. 10.2.2 Meets and current for specified and dispersion (In) Meets the product standard's requirements. 10.2.2 Meets and current for specified and dispersion (In) Meets the product standard's requirements. 10.2.3 Meeta head to specified and dispersion (In) Meets the product standard's requirements. 10.2.4 Resistance to Untra-voite (UV) radiation Does not apply, since the entire switchgear needs to be evaluated. 10.3 Depree of protection of assemblies Does not apply, since the entire switchgear needs to be evaluate		Front fixing
Design verification Participation Equipment heat dissipation, current-dependent Pvid 0W Heat dissipation capacity Pdiss 0W Heat dissipation capacity Pdiss 0W Rated operational current for specified heat dissipation (In) 0A Static heat dissipation, nor-current-dependent Pvid 0K 102.2 Corrosion resistance 0K 102.2.1 Varification of thermal stability of enclosures 0K 102.2.2 Verification of thermal stability of enclosures 0K 102.2.3 Verification of thermal stability of enclosures 0K 102.3.2 Verification of thermal stability of enclosures 0K 102.3.2 Verification of thermal stability of enclosures 0K 102.3.2 Verification of thermal stability of enclosures 0K 102.3.3 Resist of insul.matt to abnormal heat/fire by internal elect.effects 0K 102.4 Resistance to ultra-violet (UV) radiation 0K 102.5 Lifting 0K 103.0 Egree of protection of assombles 0K 103.0 Egree of protection of assombles 0K 103.6 Concections of assombles 0K 103.6 Concections of assombles 0K 1	Contacts	
Equipment heat dissipation, current-dependent Pvid 0W Heat dissipation capacity Pdiss 0W Heat dissipation per pole, current-dependent Pvid 0W Rated operational current for specified heat dissipation (in) 0A Static heat dissipation, non-current-dependent Pvid 0K 102.22 Corrison resistance 0K 102.22 Verification of thermal stability of enclosures Meets the product standard's requirements. 102.23.1 Verification of resistance of insulating materials to normal heat Meets the product standard's requirements. 102.24 Corrison resistance Meets the product standard's requirements. 102.3.2 Verification of resistance of insulating materials to normal heat Meets the product standard's requirements. 102.24 Derison violet (W) radiation Meets the product standard's requirements. 102.25 Urification of resistance Meets the product standard's requirements. 102.24 Meets the product standard's requirements. Dees not apply, since the entire switchgear needs to be avaluated. 102.25 Urificians Meets the product standard's requirements. 102.26 Meets the product standard's requirements. Meets the product standard's requirements. 102.25 Urificians Meets the product standard's requirements.	Force for positive opening - min	0 N
Hat dissipation capacity Pdiss OW Heat dissipation pole, current-dependent Pvid OW Rated operational current for specified heat dissipation (In) OA Static heat dissipation, non-current-dependent Pvs OA 102.22 Corrosion resistance OA 102.31 Verification of thermal stability of enclosures Meets the product standard's requirements. 102.32 Verification of resistance of insulating materials to normal heat Meets the product standard's requirements. 102.32 Verification of resistance of insulating materials to normal heat Meets the product standard's requirements. 102.34 Resist. of insul. mat. to abnormal heat/fire by internal elect. effects Meets the product standard's requirements. 102.42 Resistance to ultra-violet (UV) radiation Dees not apply, since the entire switchgear needs to be evaluated. 102.54 Rectaring impact Dees not apply, since the entire switchgear needs to be evaluated. 102.64 Rectaring impact Dees not apply, since the entire switchgear needs to be evaluated. 103.64 Rectaring impact Dees not apply, since the entire switchgear needs to be evaluated. 104.74 Serouting and technical impact Dees not apply, since the entire switchgear needs to be evaluated. 104.75 Rectaring and interving impactions Dees not apply, since the entire switchgear needs to be evaluated.	Design verification	
Heat dissipation pr pole, current-dependent Pvid 0 Rated operational current for specified heat dissipation (In) 0 A Static heat dissipation, non-current-dependent Pvs 045 W 10.2.2 Corrosion resistance 0.45 W 10.2.3 I Verification of thermal stability of enclosures 0.45 W 10.2.3 I Verification of risulating materials to normal heat 0.45 W 10.2.3 Verification of resistance of insulating materials to normal heat 0.45 W 10.2.3 Resist of insul. mat. to abnormal heat/fire by internal elect. effects 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. 10.2.5 Lifting Does not apply, since the entire switchgear needs to be evaluated. 10.2.5 Lifting Does not apply, since the entire switchgear needs to be evaluated. 10.2.7 Inscriptions Does not apply, since the entire switchgear needs to be evaluated. 10.2.7 Inscriptions Does not apply, since the entire switchgear needs to be evaluated. 10.8 Connection of assemblies Does not apply, since the entire switchgear needs to be evaluated. 10.8 Connections for external conductors Is the panel builder's responsibility. 10.8 Connections for external conductors Is the panel builder's responsibility.	Equipment heat dissipation, current-dependent Pvid	0 W
Rated operational current for specified heat dissipation (In) 0 A Static heat dissipation, on-current-dependent Pvs 0.45 W 10.22 Corrosion resistance 0.45 W 10.23.1 Verification of thermal stability of enclosures Meets the product standard's requirements. 10.23.2 Verification of resistance of insulating materials to normal heat Meets the product standard's requirements. 10.23.3 Resist. of insul, mat. to abnormal heat/fire by internal elect. effects Meets the product standard's requirements. 10.24 Resistance to ultra-violet (UV) radiation Dees not apply, since the entire switchgear needs to be evaluated. 10.25 Lifting Dees 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 Dees 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 Dees not apply, since the entire switchgear needs to be evaluated. 10.7 Internal electrical circuits and components Est the panel builder's responsibility. 10.8 Componention of switching material Est the panel builder's responsibility. 10.9 Thermal electrical circuits and conductors Is the panel builder's responsibility.	Heat dissipation capacity Pdiss	0 W
Static heat dissipation, non-current-dependent Pvs 045 W 10.22 Corrosion resistance 045 W 10.23.1 Verification of thermal stability of enclosures Meets the product standard's requirements. 10.23.2 Verification of resistance of insulating materials to normal heat Meets the product standard's requirements. 10.23.3 Resist of insul. mat. to abnormal heat/fire by internal elect. effects Meets the product standard's requirements. 10.24.2 Utifing Des not apply, since the entire switchgear needs to be evaluated. 10.25.4 Resistance to ultra-violet (UV) radiation Des not apply, since the entire switchgear needs to be evaluated. 10.24.6 Meets the product standard's requirements. Des not apply, since the entire switchgear needs to be evaluated. 10.25 Resist of of assemblies Des not apply, since the entire switchgear needs to be evaluated. 10.3 Degree of protection of assemblies Des not apply, since the entire switchgear needs to be evaluated. 10.4 Clearances and creepage distances Employed in the male stability. 10.3 Degree of protection of switching devices and components Employed in the apply since the entire switchgear needs to be evaluated. 10.6 Incorporation of switching devices and components Employed in the apply since the entire switchgear needs to be evaluated. 10.6 Incorporation of switching devices and components<	Heat dissipation per pole, current-dependent Pvid	0 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 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. 10.2.7 Inscriptions Meets the product standard's requirements. 10.3 Degree of protection of assemblies Meets the product standard's requirements. 10.5 Protection against electric shock Meets the product standard's requirements. 10.6 Incorporation of switching devices and components Does not apply, since the entire switchgear needs to be evaluated. 10.6. Schorevertain conductors Meets the product standard's requirements. 10.8 Connections of switching devices and components Does not apply, since the entire switchgear needs to be evaluated. 10.9.2 Protection against electric strength Is the panel builder's responsibility. 10.8.2 Connections for external conductors Is the panel builder's responsibility. 10.9.2 Protection against electric strength Is the panel builder's responsibility. 10.9.2 Protection against electric strength	Rated operational current for specified heat dissipation (In)	0 A
102.3.1 Verification of thermal stability of enclosuresMeets the product standard's requirements.102.3.2 Verification of resistance of insulating materials to normal heatMeets the product standard's requirements.102.3.3 Resist. of insul. mat. to abnormal heat/fire by internal elect. effectsMeets the product standard's requirements.102.4 Resistance to ultra-violet (UV) radiationMeets the product standard's requirements.102.5 LiftingDoes not apply, since the entire switchgear needs to be evaluated.102.7 InscriptionsMeets the product standard's requirements.103.0 Begree of protection of assembliesDoes not apply, since the entire switchgear needs to be evaluated.104.4 Clearances and creepage distancesMeets the product standard's requirements.105.7 Protection against electric shockDoes not apply, since the entire switchgear needs to be evaluated.106.8 Incorporation of switching devices and componentsDoes not apply, since the entire switchgear needs to be evaluated.10.8 Connections for external conductorsIs the panel builder's responsibility.10.8.1 Strategie of enclosures made of insulating materialIs the panel builder's responsibility.10.9.2 Power-frequency electric strengthIs the panel builder's responsibility.10.9.3 Inpulse withstand voltageIs the panel builder's responsibility.10.9.1 Strategie of insulating materialIs the panel builder's responsibility.10.9.2 Frequency electric strengthIs the panel builder's responsibility.10.9.3 Inpulse withstand voltageIs the panel builder's responsibility.10.9.3 Inpulse withstand voltageIs the panel bu	Static heat dissipation, non-current-dependent Pvs	0.45 W
102.3.2 Verification of resistance of insulating materials to normal heatMeets the product standard's requirements.102.3.3 Resist. of insul. mat. to abnormal heat/fire by internal elect. effectsMeets the product standard's requirements.102.4 Resistance to ultra-violet (UV) radiationMeets the product standard's requirements.102.5 LiftingDoes not apply, since the entire switchgear needs to be evaluated.102.6 Mechanical inpactDoes not apply, since the entire switchgear needs to be evaluated.103.0 Egree of protection of assembliesDoes not apply, since the entire switchgear needs to be evaluated.104. Clearances and creepage distancesMeets the product standard's requirements.105. Protection against electric shockDoes not apply, since the entire switchgear needs to be evaluated.106. Incorporation of switching devices and componentsDoes not apply, since the entire switchgear needs to be evaluated.107. Internal electrical circuits and connectionsIs the panel builder's responsibility.108.2 Power-frequency electric strengthIs the panel builder's responsibility.109.4 Testing of enclosures made of insulating materialIs the panel builder's responsibility.10.10 Temperature riseIs the panel builder's responsibility.10.11 Short-circuit ratingIs the panel builder's responsibility. The specifications for the switchgear must be observed.10.13 Mechanical functionThe device meets the requirements, provided the information in the instruction	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 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. 10.2.6 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 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. 10.7 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 votage Is the panel builder's responsibility. 10.9.1 Termare and of insulating material Is the panel builder's responsibility. 10.9.2 Floature rise Is the panel builder's responsibility. 10.9.3 Impulse withstand votage Is the panel builder's responsibility. <	10.2.3.1 Verification of thermal stability of enclosures	Meets the product standard's requirements.
102.4 Resistance to ultra-violet (UV) radiationMeets the product standard's requirements.102.5 LiftingDoes not apply, since the entire switchgear needs to be evaluated.102.6 Mechanical impactDoes not apply, since the entire switchgear needs to be evaluated.102.7 InscriptionsMeets the product standard's requirements.103.2 Degree of protection of assembliesDoes not apply, since the entire switchgear needs to be evaluated.104.C learances and creepage distancesMeets the product standard's requirements.105.Protection against electric shockDoes not apply, since the entire switchgear needs to be evaluated.106.Incorporation of switching devices and componentsDoes not apply, since the entire switchgear needs to be evaluated.107.Internal electrical circuits and connectionsEst the panel builder's responsibility.108.2 Power-frequency electric strengthIs the panel builder's responsibility.109.3 Impulse withstand voltageIs the panel builder's responsibility.10.10 Temperature riseIs the panel builder's responsibility.10.11 Short-circuit ratingIs the panel builder's responsibility. The specifications for the switchgear must be observed.10.12 Electromagnetic compatibilityIs the panel builder's responsibility. The specifications for the switchgear must be observed.10.13 Mechanical functionThe 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.
102.5 LiftingDoes not apply, since the entire switchgear needs to be evaluated.102.6 Mechanical impactDoes not apply, since the entire switchgear needs to be evaluated.102.7 InscriptionsMeets the product standard's requirements.103.0 begree of protection of assembliesDoes not apply, since the entire switchgear needs to be evaluated.104.Clearances and creepage distancesMeets the product standard's requirements.105.Protection against electric shockDoes not apply, since the entire switchgear needs to be evaluated.106.Incorporation of switching devices and componentsDoes not apply, since the entire switchgear needs to be evaluated.107.Internal electrical circuits and connectionsIs the panel builder's responsibility.108.2 Power-frequency electric strengthIs the panel builder's responsibility.109.3 Impulse withstand voltageIs the panel builder's responsibility.10.10 Temperature riseThe panel builder's responsibility.10.11 Short-circuit ratingIs the panel builder's responsibility. The specifications for the switchgear must be observed.10.13 Mechanical functionIs 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 impactDoes not apply, since the entire switchgear needs to be evaluated.10.2.7 InscriptionsMeets the product standard's requirements.10.3.0 Begree of protection of assembliesDoes not apply, since the entire switchgear needs to be evaluated.10.4 Clearances and creepage distancesMeets the product standard's requirements.10.5. Protection against electric shockDoes not apply, since the entire switchgear needs to be evaluated.10.6. Incorporation of switching devices and componentsDoes not apply, since the entire switchgear needs to be evaluated.10.7. Internal electrical circuits and connectionsIs the panel builder's responsibility.10.8. Connections for external conductorsIs the panel builder's responsibility.10.9.2 Power-frequency electric strengthIs the panel builder's responsibility.10.9.3 Impulse withstand voltageIs the panel builder's responsibility.10.10 Temperature riseThe panel builder's responsibility.10.11 Short-circuit ratingIs the panel builder's responsibility. The specifications for the switchgear must be observed.10.12 Electromagnetic compatibilityIs the panel builder's responsibility. The specifications for the switchgear must be observed.10.13 Mechanical functionThe 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.
10.2.7 InscriptionsMeets the product standard's requirements.10.3 Degree of protection of assembliesDoes not apply, since the entire switchgear needs to be evaluated.10.4 Clearances and creepage distancesMeets the product standard's requirements.10.5 Protection against electric shockDoes not apply, since the entire switchgear needs to be evaluated.10.6 Incorporation of switching devices and componentsDoes not apply, since the entire switchgear needs to be evaluated.10.7 Internal electrical circuits and connectionsIs the panel builder's responsibility.10.8 Connections for external conductorsIs the panel builder's responsibility.10.9.2 Power-frequency electric strengthIs the panel builder's responsibility.10.9.4 Testing of enclosures made of insulating materialIs the panel builder's responsibility.10.10 Temperature riseThe panel builder's responsibility.10.11 Short-circuit ratingIs the panel builder's responsibility. The specifications for the switchgear must be observed.10.12 Electromagnetic compatibilityIs the panel builder's responsibility. The specifications for the switchgear must be observed.10.13 Mechanical functionThe device meets the requirements, provided the information in the instruction	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. 10.5 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. 10.10 Temperature rise Is the panel builder is responsibility. 10.10 Temperature rise Is the panel builder is responsibility. 10.11 Short-circuit rating Is the panel builder is 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, provide 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 distancesMeets the product standard's requirements.10.5 Protection against electric shockDoes not apply, since the entire switchgear needs to be evaluated.10.6 Incorporation of switching devices and componentsDoes not apply, since the entire switchgear needs to be evaluated.10.7 Internal electrical circuits and connectionsIs the panel builder's responsibility.10.8 Connections for external conductorsIs the panel builder's responsibility.10.9.2 Power-frequency electric strengthIs the panel builder's responsibility.10.9.3 Impulse withstand voltageIs the panel builder's responsibility.10.10 Temperature riseThe panel builder's responsibility.10.11 Short-circuit ratingIs the panel builder's responsibility. The specifications for the switchgear must be observed.10.12 Electromagnetic compatibilityIs the panel builder's responsibility. The specifications for the switchgear must be observed.10.13 Mechanical functionThe device meets the requirements, provide the information in the instruction	10.2.7 Inscriptions	Meets the product standard's requirements.
10.5 Protection against electric shockDoes not apply, since the entire switchgear needs to be evaluated.10.6 Incorporation of switching devices and componentsDoes not apply, since the entire switchgear needs to be evaluated.10.7 Internal electrical circuits and connectionsIs the panel builder's responsibility.10.8 Connections for external conductorsIs the panel builder's responsibility.10.9.2 Power-frequency electric strengthIs the panel builder's responsibility.10.9.3 Inpulse withstand voltageIs the panel builder's responsibility.10.9.4 Testing of enclosures made of insulating materialIs the panel builder is responsibility.10.10 Temperature riseThe panel builder is responsibility.10.11 Short-circuit ratingIs the panel builder's responsibility. The specifications for the switchgear must be observed.10.12 Electromagnetic compatibilityIs the panel builder's responsibility. The specifications for the switchgear must be observed.10.13 Mechanical functionThe 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 componentsDoes not apply, since the entire switchgear needs to be evaluated.10.7 Internal electrical circuits and connectionsIs the panel builder's responsibility.10.8 Connections for external conductorsIs the panel builder's responsibility.10.9.2 Power-frequency electric strengthIs the panel builder's responsibility.10.9.3 Impulse withstand voltageIs the panel builder's responsibility.10.9.4 Testing of enclosures made of insulating materialIs the panel builder's responsibility.10.10 Temperature riseThe panel builder's responsibility.10.11 Short-circuit ratingIs the panel builder's responsibility. The specifications for the switchgear must be observed.10.12 Electromagnetic compatibilityIs the panel builder's responsibility. The specifications for the switchgear must be observed.10.13 Mechanical functionThe device meets the requirements, provide the information in the instruction	10.4 Clearances and creepage distances	Meets the product standard's requirements.
10.7 Internal electrical circuits and connectionsIs the panel builder's responsibility.10.8 Connections for external conductorsIs the panel builder's responsibility.10.9.2 Power-frequency electric strengthIs the panel builder's responsibility.10.9.3 Impulse withstand voltageIs the panel builder's responsibility.10.9.4 Testing of enclosures made of insulating materialIs the panel builder's responsibility.10.10 Temperature riseThe panel builder's responsibility.10.11 Short-circuit ratingIs the panel builder's responsibility. The specifications for the switchgear must be observed.10.12 Electromagnetic compatibilityIs the panel builder's responsibility. The specifications for the switchgear must be observed.10.13 Mechanical functionThe 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 conductorsIs the panel builder's responsibility.10.9.2 Power-frequency electric strengthIs the panel builder's responsibility.10.9.3 Impulse withstand voltageIs the panel builder's responsibility.10.9.4 Testing of enclosures made of insulating materialIs the panel builder's responsibility.10.10 Temperature riseIs the panel builder's responsibility.10.11 Short-circuit ratingIs the panel builder's responsibility. The specifications for the switchgear must be observed.10.12 Electromagnetic compatibilityIs the panel builder's responsibility. The specifications for the switchgear must be observed.10.13 Mechanical functionThe device meets the requirements, provide 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 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 is 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. 10.13 Mechanical function The device meets the requirements, provide the information in the instruction	10.7 Internal electrical circuits and connections	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 is responsibile 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 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, provide 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 Is the panel builder's responsibility. 10.10 Temperature rise Is the panel builder is 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. 10.13 Mechanical function The device meets the requirements, provide the information in the instruction	10.9.2 Power-frequency electric strength	Is the panel builder's responsibility.
10.10 Temperature rise Image: Comparison of 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 be observed. 10.12 Electromagnetic compatibility Is the panel builder's responsibility. The specifications for the switchgear must be observed. 10.13 Mechanical function Image: Compatibility of the temperature rise calculation. Eaton will provide heat dissipation data for the devices.	10.9.3 Impulse withstand voltage	Is 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. 10.13 Mechanical function It device meets the requirements, provide the information in the instruction	10.9.4 Testing of enclosures made of insulating material	Is the panel builder's responsibility.
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	10.10 Temperature rise	
10.13 Mechanical function The device meets the requirements, provided the information in the instruction	10.11 Short-circuit rating	
	10.12 Electromagnetic compatibility	
	10.13 Mechanical function	

Technical data ETIM 8.0

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

Tecnología electrónica, de automatización y de mando de procesos / Tecnología de conmutación de baja tensión / Equipo de comando y señalización / Bloque portalámparas para equipo de comando y señalización (ecl@ss10.0.1-27-37-12-09 [AKF027014])

Transformer integrated			No
With integrated voltage decreasing resistor			No
With light source			Yes
With integrated diode			Yes
Lamp holder			None
Rated voltage Ue at AC 50 Hz	V	/	12 - 30
Rated voltage Ue at AC 60 Hz	V	/	12 - 30
Rated voltage Ue at DC	V	/	12 - 30
Voltage type for actuating			AC/DC
Lamp type			LED

Connection type auxiliary circuit	Screw connection
Colour lamp	Red
Type of fastening	Front fastening