Illuminated pushbutton actuator, RMQ-Titan, Flush, momentary, red, Blank, Bezel: black



Part no. M22S-DL-R 216926

Product name	Eaton Moeller® series M22 Illuminated pushbutton actuator
Part no.	M22S-DL-R
EAN	4015082169268
Product Length/Depth	30 millimetre
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Product height	30 millimetre
Product width	30 millimetre
Product weight	0.01 kilogram
Compliances	CE Marked
Certifications	CSA Std. C22.2 No. 94-91 EN 60947-5 UL 508 IEC 60947-5 CSA Std. C22.2 No. 14-05 VDE IEC/EN 60947-5 UL CSA File No.: 012528 CSA UL Category Control No.: NKCR IEC/EN 60947 CSA-C22.2 No. 14-05 CE CSA-C22.2 No. 14-05 CE CSA-C3-C22.2 No. 34-91 CSA Class No.: 3211-03 UL File No.: E29184 VDE 0660 LR DNV GL
Product Tradename	M22
Product Type	Illuminated pushbutton actuator
Product Sub Type	None
eatures & Functions	
Bezel color	Black
Bezel material	Plastic
Design	Flush Classical
Fitted with:	Front ring
Inscription	Blank
eneral information	
Degree of protection	NEMA 4X NEMA 3R IP69K NEMA 12 IP67 IP66 NEMA 13
Degree of protection (front side)	NEMA 4X IP67/IP69K
Lifespan, mechanical	5,000,000 Operations
Opening diameter	22.5 mm
Operating frequency	3600 Operations/h
Product category	RMQ-Titan
Size	Front diameter: 29.7 mm
Suitable for	Illumination
Туре	Illuminated pushbutton actuator
mbient conditions, mechanical	
Mounting position	As required

observed.	Shock resistance	30 g, Mechanical, According to IEC/EN 60068-2-27, Sinusoidal shock 11 ms Mechanical, According to IEC/EN 60068-2-27
Ambient operating temperature - max  Climate proefing  Communication  Commercion Share/Wre-DT  Was SVD-RMD connections  Yes  Actuator function  Actuating force  Actuator function  Contracts  Force for positive opening - min  Contracts  Force for positive opening - min  Contracts  Force for positive opening - min  Consignation of manufaction, current-dependent Parl  Heat dissipation, carent-dependent Parl  Heat dissipation capacity Pdiss  Heat dissipation or polic, current-dependent Parl  Heat dissipation or polic, current-dependent Parl  Heat dissipation or polic, current-dependent Parl  State dissipation in or free internation specified heat dissipation (in)  State cheat dissipation or free internation specified heat dissipation (in)  State cheat dissipation or free internation specified heat dissipation (in)  State cheat dissipation or free internation specified in the state operations or free internation specified in the state operations or free internations specified in the state operations of free internations of the manufaction in the manufaction of resistance or insulation materials to normal heat  10.2.3 Invariation of resistance or insulation materials to normal heat  10.2.4 Resistance to ultra-violet (IVI) radiation  10.2.5 Litting  Does not apply, since the entire switchgear needs to be evaluated.  Does not apply, since the entire switchgear needs to be evaluated.  Meets the product standard's requirements.  10.3 Degree of protection of assemblies  Does not apply, since the entire switchgear needs to be avaluated.  Meets the product standard's	Climatic environmental conditions	
Communication  Commection to SmartNire OT  Actuator  Actuator processing force  Bed  Bed  ON  Design verification  Equipment heat dissipation, current-dependent Pvid  DW  Heat dissipation on processing force  Force for positive opining - min  DW  Rated operational current-dependent Pvid  Bet dissipation, non-current-dependent Pvid  Bet dissipation on processing force  Force for positive opining - min  DW  Rated operational current for specified heat dissipation (In)  But the heat dissipation, non-current-dependent Pvid  Bet dissipation on force produce transfer of the product standard is requirements.  102.2.1 Verification of thermal stability of emclosures  Meets the product standard is requirements.  102.2.2 Verification of resistance of insulating materials to normal heat  102.2.3 Sensist of insul, mat to abnormal heat/fire by internal elect, affects  102.2 Selficing  102.2 Selficing  102.2 Selficing  102.2 Selficing  102.2 Selficing  102.3 Degree of protection of assemblies  103.0 Degree of protection of assemblies  104.1 Clearances and creepage distances  105.7 Internal electrical circuits and connections  106.8 Incorporation of antivious devices and components  107.1 Internal electrical circuits and connections  108.1 Internal electrical circuits and connections  109.2 Internal electrical circuits and connections  109.3 Internal electrocal circuits and connections  109.4 Internal electrocal circuits and connections  109.4 Internal electrocal circuits and connections  109.4 Internal electrocal circuits and connections  109.5 Internal electrocal circuits and connections  109.6 Internal electrocal circuits and connections  109.6 Internal electrocal circuits and co	Ambient operating temperature - min	-25 °C
Communication  Commercian to SmartWer-DT  Actuator  Actuator force  Actuator or SmartWer-DT  Actuator or SmartWer-DT  Actuator force  Actuator or SmartWer-DT  Actuator or SmartWer-DT  Actuator force  Actuator or SmartWer-DT  Actuator or SmartWer-DT  Actuator function  Actuator function  Actuator function  Contacts  Force for positive opening - min  Design verification  Equipment heat dissipation, current-dependent Pvid  Heat dissipation or pack; Prioss  DW  Heat dissipation or pack; Prioss  DW  Rated openational current for specified heat dissipation Inly  Bata is beat dissipation, non-current-dependent Pvid  DV  Rated openational current for specified heat dissipation Inly  Bata is beat dissipation, non-current-dependent Pvis  Bata is beat and bit is under it is non-current-dependent Pvis  Ba	Ambient operating temperature - max	70 °C
Connection to SmartWire-DT  Actustor  Actusting force Actustor color Actustor function  Design verification  Equipment had dissipation, current-dependent Pvid Pleat dissipation on per pole, current-dependent Pvid Pleat dissipation on per pole, current-dependent Pvid Pleat dissipation on per pole, current-dependent Pvid Pleat dissipation, non-current-dependent Pvid P	Climatic proofing	
Actuator Codor Actuator function  Energy for possible opening - min  Design verification Engineers theat dissipation, current-dependent Pvid  Heat dissipation, capacity Pdiss  DW  Heat dissipation per pole, current-dependent Pvid  Heat dissipation per pole, current-dependent Pvid  Heat dissipation per pole, current-dependent Pvid  DW  Rated operational current for specified heat dissipation (ii)  10.2.1 Verification of resistance  Meats the product standard's requirements.  10.2.3 Verification of thermal stability of enclosures  Meats 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 to normal heat  10.2.3 Verification of resistance of insulating materials to normal heat  10.2.3 Verification of resistance of insulating materials to normal heat  10.2.3 Verification of thermal stability of enclosures  10.2.3 Verification of thermal stability of enclosures  10.2.3 Verification of the entire switchpear needs to be evaluated.  10.2.5 Mechanical impact  10.2.5 Litting  10.2.6 Mechanical impact  10.2.6 Mechanical impact  10.2.7 Inscriptions  Meats the product standard's requirements.  10.2.8 Litting  10.3 Degree of protection of assemblies  Does not apply, since the entire switchpear needs to be evaluated.  10.4 Clearances and creepage distances  10.5 Protection against electric shock  Does not apply, since the entire switchpear needs to be evaluated.  10.4 Clearances and creepage distances  10.5 Protection against electric shock  Does not apply, since the entire switchpear needs to be evaluated.  10.6 Incorporation of switching devices and components  10.7 Incorporation of switching devices and components  10.8 Rechanical function of switching and of insulating material	Communication	
Actuating force Actuator function  Design verification Equipment heat dissipation, current-dependent Pvid  Design verification Cequipment heat dissipation, current-dependent Pvid  Devign verification  Equipment heat dissipation, current-dependent Pvid  Devign verification  Red dissipation per pole, current-dependent Pvid  Devign verification  OW  Heat dissipation current for specified heat dissipation (In)  Static heat dissipation, non-current-dependent Pvid  Devign verification  OW  102.2 Corresion resistance  Meets the product standard's requirements.  Devign verification of resistance of insulating materials to normal heat  102.3.1 Verification of resistance of insulating materials to normal heat  102.3.2 Verification of resistance of insulating materials to normal heat  102.3.2 Verification of resistance of insulating materials to normal heat  102.3.3 Verification of resistance of insulating materials to normal heat  102.4 Resistance to ultra-violet (UV) radiation  102.5 Lifting  Dees not apply, since the ontrier switchgear needs to be evaluated.  102.6 Lifting  Dees not apply, since the entrier switchgear needs to be evaluated.  102.6 Dees not apply, since the entrier switchgear needs to be evaluated.  103.1 Deepen of protection of assemblies  Does not apply, since the entrier switchgear needs to be evaluated.  104.1 Dearnances and creepage distances  Meets the product standard's requirements.  105. Protection against electric shock  Does not apply, since the entrier switchgear needs to be evaluated.  105. Incorporation of switching devices and compections  105. Recorporation of switching devices and compections  106. Bit corporation of switching and compections  107. Internal electrical circuits and compections  108. Connections for external conductors  109. Power-frequency electric strength  109. A Testing of enclosures made of	Connection to SmartWire-DT	
Actuator enfor Actuator function  Actuator function  Contacts  Force for positive opening - min  Design werification  Equipment heat dissipation, current-dependent Pvid  Heat dissipation capacity Pdiss  Heat dissipation per pole, current-dependent Pvid  Heat dissipation per pole, current-dependent Pvid  Heat dissipation per pole, current-dependent Pvid  Actuator fusion of resistance of unconcurrent-dependent Pvid  Now  Heat dissipation per pole, current-dependent Pvid  Now  Heat dissipation per pole, current-dependent Pvid  Now  Heat dissipation per pole, current-dependent Pvid  Now  Heat dissipation non-current-dependent Pvid  Now  Note the product standard's requirements.  102.21 Verification of resistance of insulating materials to normal heat  102.23 I Verification of resistance of insulating materials to normal heat  102.23 Resist, of insul, mat, to abnormal heat/fire by internal elect. effects  102.24 Resistance to luftra-violet (LUV) radiation  102.25 Lifting  Does not apply, since the entire switchgear needs to be evaluated.  102.27 Inscriptions  Meets the product standard's requirements.  102.30 Degree of protection of assemblies  Does not apply, since the entire switchgear needs to be evaluated.  102.7 Inscriptions  Meets the product standard's requirements.  103.10 Degree of protection of assemblies  Does not apply, since the entire switchgear needs to be evaluated.  104.10 Clearances and crepage distances  Meets the product standard's requirements.  105. Protection against electric about  106. Incorporation of switching devices and components  107. Internal electrical circuits and commocitons  108. Connections for external conductors  109. Protection against electric about  109. A Esting of notices are made of insulating material  109. A Esting of notices are made of insulating material  109. A Esting of notices are made of insulating material  109. A Esting of notices are made of insulating material  109. A Esting of notices are sponsibility.  109. A Esting of notices are sponsibility.  109. A Esti	Actuator	
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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 Heat dissipation, non-current-dependent Pvis Heat dissipation non-current dependent Pvis Heat dissipation, non-current-dependent Pvis Heat dissipation non-current dependent P	Actuator color	Red
Force for positive opening - min  Design verification  Equipment heat dissipation, current-dependent Pvid  Heat dissipation per pole, current-dependent Pvid  Attack part of the sissipation per pole, current-dependent Pvid  Attack per addissipation, non-current-dependent Pvid  Attack per addissipation, non-current-dependent Pvs  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  10.2.3.2 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  10.2.5 Lifting  10.2.6 Mechanical impact  10.2.7 Inscriptions  10.3 Degree of protection of assemblies  10.4 Clearances and crepage distances  10.5 Protection against electric shock  10.6 Incorporation of switching devices and components  10.7 Internal electrical circuits and connections  10.8 Incorporation of switching devices and components  10.9 Protection against electric strongth  10.9 Internal electrical circuits and connections  10.9 In	Actuator function	
Design verification  Equipment heat dissipation, current-dependent Pvid 0 W  Heat dissipation capacity Pdiss 0 W  Rated operational current for specified heat dissipation (In)  Static heat dissipation, per pole, current-dependent Pvid 0 W  Rated operational current for specified heat dissipation (In)  Static heat dissipation, non-current-dependent Pvid 0 W  10.22 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.  10.2.3.3 Verification of resistance of insulating materials to normal heat Meets the product standard's requirements.  10.2.4 Resistance to ultra-violet (UV) radiation Please enquire 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 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.  10.6 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.  10.9.4 Testing of enclosures made of insulating material Is the panel builder's responsibility.  10.13 Mechanical function The device meets the requirements, provide	Contacts	
Equipment heat dissipation, current-dependent Pvid  Heat dissipation capacity Pdiss  OW  Rated operational current for specified heat dissipation (In)  Static heat dissipation, non-current-dependent Pvid  Rated operational current for specified heat dissipation (In)  OA  Static heat dissipation, non-current-dependent Pvs  OW  OW  Rets 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.  10.2.3.2 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  Meets the product standard's requirements.  10.2.4 Resistance to ultra-violet (UV) radiation  Please enquire  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.  10.2.1 Internal 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.  10.9.2 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  10.1 Temperature rise  Not applicable.  10.11 Short-circuit rating  Lis the panel builder's responsibility. The specifications for the switchgear must observed.  10.13 Mechanical function  The device meets the requirements, provided the informati	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  OW  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 insulating materials to normal heat  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  10.25 Lifting  Does not apply, since the entire switchgear needs to be evaluated.  10.26 Mechanical impact  Does not apply, since the entire switchgear needs to be evaluated.  10.27 Incriptions  Meets the product standard's requirements.  10.28 Degree of protection of assamblies  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 Owner-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  Not applicable.  10.11 Short-circuit rating  Lis the panel builder's responsibility. The specifications for the switchgear must observed.  10.13 Mechanical function  The device meets the requirements, provided the information in the instruction	Design verification	
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Rated operational current for specified heat dissipation (In)  Static heat dissipation, non-current-dependent Pvs  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 insulating materials to normal heat  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  Please enquire  10.2.5 Lifting  Does not apply, since the entire switchgar needs to be evaluated.  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  Does not apply, since the entire switchgar needs to be evaluated.  10.6 Incorporation of switching devices and components  Does not apply, since the entire switchgar needs to be evaluated.  10.7 Internal electrical circuits and connections  Is the panel builder's responsibility.  10.9 Power-frequency electric strength  Is the panel builder's responsibility.  10.9 Power-frequency electric strength  Is the panel builder's responsibility.  10.9 Imperature rise  Not applicable.  Not applicable.  10.11 Short-circuit rating  Is the panel builder's responsibility. The specifications for the switchgar must observed.  10.12 Electromagnetic compatibility  Is the panel builder's responsibility. The specifications for the switchgar must observed.  10.13 Mechanical function  The device meets the requirements, provided the information in the instruction	Heat dissipation capacity Pdiss	0 W
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Meets the product standard's requirements.  10.2.3 Verification of thermal stability of enclosures  10.2.3 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  10.4 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 alone withstand voltage  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.  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.  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.  In the panel builder's responsibility. The specifications for the switchgear must observed.  In the device meets the requirements, provided the information in the instruction.	Static heat dissipation, non-current-dependent Pvs	0 W
Meets the product standard's requirements.  10.2.3. Resists 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  10.8 Connections for external conductors  10.9 Power-frequency electric strength  10.9 Is the panel builder's responsibility.  10.9 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.  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.  It is the panel builder's responsibility. The specifications for the switchgear must observed.  In the 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 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 10.3 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 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.  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. The specifications for the switchgear must 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  Please enquire  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  Not applicable.  10.11 Short-circuit rating  Is the panel builder's responsibility. The specifications for the switchgear must observed.  10.12 Electromagnetic compatibility  Is the panel builder's responsibility. The specifications for the switchgear must 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.
Does not apply, since the entire switchgear needs to be evaluated.  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  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  Not applicable.  10.11 Short-circuit rating  Is the panel builder's responsibility. The specifications for the switchgear must observed.  10.12 Electromagnetic compatibility  10.13 Mechanical function  The device meets the requirements, provided the information in the instruction	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  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.  10.10 Temperature rise  Not applicable.  10.11 Short-circuit rating  Is the panel builder's responsibility. The specifications for the switchgear must observed.  10.12 Electromagnetic compatibility  10.13 Mechanical function  The device meets the requirements, provided the information in the instruction	10.2.4 Resistance to ultra-violet (UV) radiation	Please enquire
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  10.8 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  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.  Is the panel builder's responsibility.  In the panel builder's responsibility. The specifications for the switchgear must observed.  In the 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.
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 Not applicable.  10.11 Short-circuit rating Is the panel builder's responsibility. The specifications for the switchgear must observed.  10.12 Electromagnetic compatibility 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  10.9.3 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.  Is the panel builder's responsibility.  The specifications for the switchgear must observed.  The device meets the requirements, provided the information in the instruction	10.2.7 Inscriptions	Meets the product standard's requirements.
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  10.9.2 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.  10 be evaluated.  10 be evaluated.  10 the panel builder's responsibility.  10 sthe panel builder's responsibility. The specifications for the switchgear must observed.  10.11 Short-circuit rating  10 sthe panel builder's responsibility. The specifications for the switchgear must 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.
Does not apply, since the entire switchgear needs to be evaluated.  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.  1s the panel builder's responsibility. The specifications for the switchgear must observed.  1s the panel builder's responsibility. The specifications for the switchgear must observed.  1s the panel builder's responsibility. The specifications for the switchgear must observed.  1s the panel builder's responsibility. The specifications for the switchgear must observed.  1s the panel builder's responsibility. The specifications for the switchgear must observed.	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  10.13 Mechanical function  10.14 Is the panel builder's responsibility.  10.15 Is the panel builder's responsibility.  10.16 Is the panel builder's responsibility.  10.17 Is the panel builder's responsibility.  10.18 The specifications for the switchgear must observed.  10.19 Is the panel builder's responsibility. The specifications for the switchgear must observed.  10.19 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 We panel builder's responsibility. The specifications for the switchgear must observed.  10.15 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.
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10.9.3 Impulse withstand voltage  10.9.4 Testing of enclosures made of insulating material  10.9.4 Testing of enclosures made of insulating material  10.10 Temperature rise  10.11 Short-circuit rating  10.12 Electromagnetic compatibility  10.12 Electromagnetic compatibility  10.13 Mechanical function  10.14 Short-circuit rating  15 the panel builder's responsibility. The specifications for the switchgear must observed.  10.15 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  Not applicable.  10.11 Short-circuit rating  Is the panel builder's responsibility. The specifications for the switchgear must observed.  10.12 Electromagnetic compatibility  Is the panel builder's responsibility. The specifications for the switchgear must 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  10.11 Short-circuit rating  10.12 Electromagnetic compatibility  10.13 Mechanical function  Not applicable.  1s the panel builder's responsibility. The specifications for the switchgear must observed.  1s the panel builder's responsibility. The specifications for the switchgear must observed.  The device meets the requirements, provided the information in the instruction	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 observed.  10.12 Electromagnetic compatibility  Is the panel builder's responsibility. The specifications for the switchgear must 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 observed.  10.13 Mechanical function  The device meets the requirements, provided the information in the instruction	10.10 Temperature rise	Not applicable.
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 b observed.
· · · · · · · · · · · · · · · · · · ·	10.12 Electromagnetic compatibility	Is the panel builder's responsibility. The specifications for the switchgear must bobserved.
	10.13 Mechanical function	

## **Technical data ETIM 9.0**

Low-voltage industrial components (EG000017) / Front element for push button (EC000221)

Electric engineering, automation, process control engineering / Low-voltage switch technology / Command and alarm device / Front element for push-button actuators (ecl@ss13-27-37-12-10 [AKF028019])

[AKI 020010])		
Colour button		Red
Number of command positions		1
Construction type lens		Round
Hole diameter	mm	22.5
Width opening	mm	0
Height opening	mm	0

Type of button	Flat
Suitable for illumination	Yes
With protective cover	No
Labelled	No
Switching function latching	No
Spring-return	Yes
With front ring	Yes
Material front ring	Plastic
Colour front ring	Black
Degree of protection (IP), front side	IP67/IP69K
Degree of protection (NEMA), front side	4X