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



Part no. M22-DL-R

EL Number (Norway) 216925 4355343

Canaral engaifications	
General specifications	Foton Modillo Sancias M20 Illuminated and butter of
Product name	Eaton Moeller® series M22 Illuminated pushbutton actuator
Part no.	M22-DL-R
EAN	4015082169251
Product Length/Depth	30 millimetre
Product height	30 millimetre
Product width	30 millimetre
Product weight	0.01 kilogram
Compliances	CE Marked
Certifications	IEC 60947-5 CSA Std. C22.2 No. 94-91 UL 508 CSA Std. C22.2 No. 14-05 EN 60947-5 VDE CSA UL IEC/EN 60947 CE CSA Class No.: 3211-03 CSA-C22.2 No. 14-05 CSA File No.: 012528 VDE 0660 IEC/EN 60947-5 CSA-C22.2 No. 94-91 UL File No.: E29184 UL Category Control No.: NKCR LR GL DNV
Product Tradename	M22
Product Type	Illuminated pushbutton actuator
Product Sub Type	None
Features & Functions	
Bezel color	Titanium
Bezel material	Plastic
Design	Flush Classical
Fitted with:	Front ring
Inscription	Blank
General information	
Degree of protection	NEMA 3R NEMA 12 NEMA 13 IP66 IP67 IP69K NEMA 4X
Degree of protection (front side)	IP67/IP69K NEMA 4X
Lifespan, mechanical	5,000,000 Operations
Opening diameter	22.5 mm
Operating frequency	3600 Operations/h
Product category	RMQ-Titan
Size	Front dimensions: 22 x 22 mm
Suitable for	Illumination
Туре	Illuminated pushbutton actuator
Ambient conditions, mechanical	

observed.	Mounting position	As required
Ambient operating temperature - min Ambient operating temperature - max 70 °C Ommonication Commonication Contacts Conta	Shock resistance	· · ·
Ambient apperating temperature - max Climate prording Damp heat, cycle, to IEC 60088-2-30 Actuator Comercianto SmartWire-DT Yes Actuator function Spring-return Momentary Contacts Force for positive opening - min Design verification Equipment back dissipation, current-dependent Prod Heat dissipation capacity Pdiss Heat dissipation capacity Pdiss Heat dissipation per poie, current-dependent Prod Heat dissipation of prode, current-dependent Prod State dissipation of demand stability of enclosures Meets the product standard's requirements. 102.31 Verification of femand stability of enclosures Meets the product standard's requirements. 102.32 Verification of demand stability of enclosures Meets the product standard's requirements. 102.33 Partician of demand stability of enclosures Meets the product standard's requirements. 102.32 Verification of demand stability of enclosures Meets the product standard's requirements. 102.33 Verification of prosition of demand stability of enclosures Meets the product standard's requirements. 102.34 Issuffician of prosition of demand stability of enclosures Meets the product standard's requirements. 102.35 Lifting Does not apply, since the entire exvirchages needs to be evaluated. Meets the product standard's requirements. 102.61 Inscriptions Does not apply, since the entire exvirchages needs to be evaluated. Meets the product standard's requirements. 103.71 Inscriptions Does not apply, since the entire exvirchages needs to be evaluated. Meets the product standard's requirements. 103.81 Instruction of existence of existence meeds to be evaluated. Meets the product standard's requirements. 104.1 Instruction of existence of existence meeds to be evaluated. Meets the product standard's requirements. 105. Protection against	Climatic environmental conditions	
Communication Actuator Actuator Actuator Actuator Actuator Actuator Communication Spring-return Momentary Communication Spring-return Momentary Communication Communication Communication Spring-return Momentary Communication	Ambient operating temperature - min	-25 °C
Communication Communication Connection to SmartWire-DT Yes With SWD-RMQ connections Actuating force Actuating force Actuating force Actuating force Actuating force Actuation Actuator function Design verification Equipment heat dissipation, current-dependent Pvid Bed of Statistical function Equipment heat dissipation, current-dependent Pvid But Actuator function actuator for specification and the statistical function actuator for specification and connections 10.2.5 Mechanical impact 10.2.5 Mechanical impact 10.2.6 Mechanical impact 10.2.6 Mechanical impact 10.2.7 Mechanical observation actuator for specification for spec	Ambient operating temperature - max	70 °C
Actustor Actustor color Actustor function Design verification Equipment heat dissipation, current-dependent Pvid Past dissipation capacity Poliss OV Read operational current for specified heat dissipation (In) Astac heat dissipation, current-dependent Pvid OV Read operational current for specified heat dissipation (In) Astac heat dissipation, non-current-dependent Pvis OV Read operational current for specified heat dissipation (In) Astac heat dissipation, non-current-dependent Pvis IO2.2 Corrosion resistance IO2.31 Verification of thermal stability of enclosures Meets the product standard's requirements. Does not apply, since the entire switchgear needs to be ovaluated. Meets the product standard's requirements. Does not apply, since the entire switchgear needs to be ovaluated. Meets the product standard's requirements. Does not apply, since the entire switchgear needs to be ovaluated. Meets the product standard's requirements. In the panel builder's responsibility. Is the panel builder's responsibility. I	Climatic proofing	
Actuator Actuator force Actuator function Bosign verification Besign verification of thermal stability of enclosures Besign verification of demand stability of enclosures Besign verification of resistance of insulation materials to normal heat Besign verification of resistance of insulation materials to normal heat Besign verification of demand stability of enclosures Besign verification of resistance of insulation materials to normal heat Besign verification of design verification of the evaluation with the product standard is requirements. Besign verification of the evaluation with the product standard is requirements. Besign verification of a series be evaluated. Besign verification of a series be evaluated. Besign verification against electric shock Boson of apply, since the entire switchgear needs to be evaluated. Besign verification against electric shock Boson of apply, since the entire switchgear needs to be evaluated. Besign verification against electric shock Boson of apply, since the entire switchgear needs to be evaluated. Besign verification of switching devices and components Boson of apply, since the entire switchgear needs to be evaluated. Besign verification of switching devices and components B	Communication	
Actuaring force Actuator color Actuator function Actuator function Actuator function Actuator function Broke for positive opening - min Design verification Equipment heat dissipation, current-dependent Pvid Heat dissipation per pole, current-dependent Pvid Heat dissipation of uper pole, current-dependent Pvid Heat dissipation non-current object dependent Pvid Heat dissipation non-current dependent Pvid Heat dissipation non-current dependent Pvid US 2 Corrosion resistance Metal the product standard's requirements. Moes not apply, since the entire switchgear needs to be evaluated. Metal the product standard's requirements. Does not apply, since the entire switchgear needs to be evaluated. Metal the product standard's requirements. Does not apply, since the entire switchgear needs to be evaluated. 102 I Internal electrical circuits and connections 103 Degree of protection of assemblies Does not apply, since the entire switchgear needs to be evaluated. 104 Clearnoces and crepapes distances Does not apply, since the entire switchgear needs to be evaluated. 105 Internal electrical circuits and connections 105 I the panel builder's responsibility. 110 Stene	Connection to SmartWire-DT	
Actuator color Actuator function Contacts Force for positive opening - min Design verification Equipment heat dissipation, current-dependent Pvid 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 Pvid Heat dissipation per pole, current-dependent Pvid DV Heat dissipation per pole, current-dependent Pvid DV Heat dissipation, non-current-dependent Pvid DV Heat dissipation, non-current-dependent Pvid DV West the product standard's requirements. Heat the product standard's requirements. Does not apply, since the entire switchgear needs to be evaluated. Heat the product standard's requirements. Heat the product standard's requirements. Does not apply, since the entire switchgear needs to be evaluated. Heat the product standard's requirements. Heat the product standard's req	Actuator	
Contacts Force for positive opening - min Design verification Equipment heat dissipation, current-dependent Pvid Heat dissipation apacity Pdiss OW Heat dissipation per pole, current-dependent Pvid Heat dissipation per pole, current-dependent Pvid OW Heat dissipation per pole, current-dependent Pvid OW Static heat dissipation, non-current-dependent Pvid OW 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 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 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 connections In the penel builder's responsibility. 10.8 Connections for external conductors In the panel builder's responsibility. 10.9.4 Testing of enclosures made of insulating material In 10.1 Temperature rise Not applicable. 10.1 Short-circuit rating Short-circuit rating Short-circuit rating List the panel builder's responsibility. The specifications for the switchgear must to observed. 10.10 Hemperature rise Not applicable. 10.11 Short-circuit rating The device meets the requirements, provided the information in the instruction of the switchgear must to observed.	Actuating force	5 N
Contacts Force for positive opening - min Design verification Equipment heat dissipation, current-dependent Pvid OW Heat dissipation, capacity Pdiss OW Rated operational current for specified heat dissipation (In) Static heat dissipation, non-current-dependent Pvid 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 thermal stability of enclosures Meets the product standard's requirements. 10.23.2 Verification of trems also a fine stability of enclosures Meets the product standard's requirements. 10.24.2 Verification of trems also a fine stability of enclosures Meets the product standard's requirements. 10.25.2 Indien of resistance of insulating materials to normal heat 10.25.2 Servicination of resistance of insulating materials to normal heat 10.25.2 Indien of the standard's requirements. 10.24 Resistance to ultra-violat (UV) radiation Ploase orquire 10.25. Elting 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 Incorporation of switching devices and components Does not apply, since the entire switchgear needs to be evaluated. 10.5 Incorporation of switching devices and components Does not apply, since the entire switchgear needs to be evaluated. 10.6 Comporation of switching devices and components 10.7 Internal electrical circuits and connections Is the panel builder's responsibility. 10.8 Comporation of switching devices and components 10.9 A Testing of enclosures made of insulating material 10.1 Temperature rise Not applicable. 10.1 Short-circuit rating 10.2 Electromagnetic compasibility 10.1 Short-circuit rating 10.1 Short-circuit rating 10.1 Short-	Actuator color	Red
Porce for positive opening - min Design verification Equipment heat dissipation, current-dependent Pvid Heat dissipation, current-dependent Pvid Heat dissipation per pole, current-dependent Pvid Rated operational current for specified heat dissipation (In) Static heat dissipation, non-current-dependent Pvs 10.22 Corrosion resistance 10.2.3.1 Verification of themsi stability of enclosures Meets the product standard's requirements. 10.2.3.2 Verification of resistance of insulating materials to normal heat 10.2.3.2 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 10.2.4.4 Resistance to ultra-violat (UV) radiation 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. 10.3.1 Degree of protection of assemblies Does not apply, since the entire switchgear needs to be evaluated. 10.4.C Degree of protection of assemblies Does not apply, since the entire switchgear needs to be evaluated. 10.4.C Degree of protection of assemblies Does not apply, since the entire switchgear needs to be evaluated. 10.5 Protection against electric shock Does not apply, since the entire switchgear needs to be evaluated. 10.6 Incorporation of switching devices and components Does not apply, since the entire switchgear needs to be evaluated. 10.7 Internal electrical circuits and connections 10.8 Connections for external conductors 10.9 Protection against electric strongth 10.9.4 Testing of enclosures made of insulating material 10.9.4 Testing of enclosures made of insulating material 10.10 Temperature rise Not applicable. 10.11 Short-circuit rating 10.12 Electromagnetic compatibility 10.13 Mechanical function 10.13 Mechanical function 10.14 Mechanical function 10.15 Mechanical function 10.16 Mechanical function 10.17 Testing the device meets the requirements, provided the information in the instruction	Actuator function	· ·
Design verification Equipment heat dissipation, current-dependent Pvid 0W Heat dissipation capacity Pdiss 0W Rated operational current for specified heat dissipation (In) 0A Static heat dissipation, non-current-dependent Pvid 0W 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 thermal stability of enclosures Meets the product standard's requirements. 10.23.3 Resist of insul. mat. to abnormal heat/lire by internal elect. effects Meets the product standard's requirements. 10.24. Resistance to ultra-violet (UV) radiation Please enquire 10.25. Urting 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 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 stength 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. 10.1 Electromagnetic compatibility 10.1 Electromagnetic compatibility 10.1 Electromagnetic compatibility 10.1 Mechanical function The device meets the requirements, provided the information in the instruction of the switchgear must to observed.	Contacts	
Equipment heat dissipation, current-dependent Pvid Heat dissipation capacity Pdiss 0 W Heat dissipation per pole, current-dependent Pvid Rated operational current for specified heat dissipation (In) OA Static heat dissipation, non-current-dependent Pvs 0 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 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. 10.27 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 Concertion of switching devices and components 10.7 Internal electrical circuits and connections Is the panel builder's responsibility. 10.8 Concertions for external conductors Is the panel builder's responsibility. 10.9 Power-frequency electric strength Is the panel builder's responsibility. 10.9 Protection against electric shock Not applicable Is the panel builder's responsibility. 10.1 Temperature rise Not applicable 10.1 Short-circuit rating Step panel builder's responsibility. 10.2 Electromagnetic compatibility 10.1 Short-circuit rating The device meets the requirements, provided the information in the instruction	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 for specified heat dissipation (In) 0 A Static heat dissipation, non-current-dependent Pvs 0 W 10.22 Corrosion resistance Meets the product standard's requirements. 10.23.1 Varification of thermal stability of enclosures 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 10.24.4 Resistance to ultra-violet (UV) radiation 10.25 Lifting Dees not apply, since the entire switchgear needs to be evaluated. 10.26 Mechanical impact 10.27 Incriptions 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 Internal electrical circuits and connections 10.9 Power-frequency electric strength 10.9 Internal electrical strength 10.9 Internal electrical strength 10.9 Internal electrical strength 10.9 Internal electrical conductors 10.9 Internal electrical strength 10.9 Internal electrical strength 10.9 Internal electrical conductors 10.9 Internal electrical strength 10.9 Internal electrical strength 10.10 Temperature rise Not applicable. 10.11 Electromagnetic compatibility Is the panel builder's responsibility. The specifications for the switchgear must to observed. 10.13 Mechanical function The device meets the requirements, provided the information in the instruction	Design verification	
Heat dissipation per pole, current-dependent Pvid Rated operational current for specified heat dissipation (In) Static heat dissipation, 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 resistance of insulating materials to normal heat 10.2.3.2 Verification of resistance of insulating materials to normal heat 10.2.3.3 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 10.2.7 Inscriptions 10.3 Dependent of assemblies 10.4 Clearances and creepage distances 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 Power-frequency electric strength 10.9 Power-frequency electric strength 10.9 Power-frequency electric strength 10.9 Is the panel builder's responsibility. 10.9 Power-frequency electric strength 10.10 Temperature rise 10.11 Short-circuit rating 10.12 Electromagnetic compatibility 10.15 Electromagnetic compatibility 10.16 Electromagnetic compatibility 10.17 Electromagnetic compatibility 10.18 Leptromagnetic compatibility 10.19 Electromagnetic compatibility 10.19 Electromagnetic compatibility 10.19 Electromagnetic compatibility 10.10 The device meets the requirements, provided the information in the instruction 10.11 Electromagnetic compatibility 10.12 Electromagnetic compatibility 10.13 Mechanical function 10.16 Heaves the product standard's requirements. 10.17 Mechanical function 10.18 Mechanical function 10.19 Meets the product standard's requirements. 10.10 Meets the product standard's requirements. 10.11 Meets the product standard's requirements. 10.12 Electromagnetic compatibility 1	Equipment heat dissipation, current-dependent Pvid	0 W
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. 10.23.1 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 10.24 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 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. 10.8 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. 10.11 Short-circuit rating Is the panel builder's responsibility. The specifications for the switchgear must to 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	Heat dissipation capacity Pdiss	0 W
Static heat dissipation, non-current-dependent Pvs 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 Resist. of insul. mat. to abnormal heat/fire by internal elect. effects 10.24 Resistance to ultra-violet (UV) radiation 10.25 Lifting 10.26 Mechanical impact 10.27 Inscriptions 10.30 Degree of protection of sasemblies 10.40 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 Internal electrical circuits and connections 10.9 Internal electrical circuits and connecti	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 10.2.3.2 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 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 10.9.1 Experimentation 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. 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 be observed. Is the panel builder's responsibility. The specifications for the switchgear must be observed.	Rated operational current for specified heat dissipation (In)	0 A
Meets the product standard's requirements. 10.2.3.1 Verification of thermal stability of enclosures 10.2.3.2 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 10.2.7 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 Ower-frequency electric strength 10.9 Switching 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. 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 to observed. In the device meets the requirements, provided the information in the instruction	Static heat dissipation, non-current-dependent Pvs	0 W
10.2.32 Verification of resistance of insulating materials to normal heat 10.2.33 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 10.8 Connections for external conductors 10.8 Connections for external conductors 10.9 Power-frequency electric strength 10.9 Is the panel builder's responsibility. 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. 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 Is the panel builder's responsibility. 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. 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. 10.6 Incorporation of switching devices and components 10.8 Connections for external conductors 10.9 the panel builder's responsibility. 10.10 Temperature rise 10.11 Short-circuit rating 10.12 Electromagnetic compatibility 10.13 Mechanical function 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 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 10.8 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. 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. It is the panel builder's responsibility. The specifications for the switchgear must be observed. In 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 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	10.2.3.2 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. 10.26 Mechanical impact 10.27 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 10.7 Internal electrical circuits and connections 1 s the panel builder's responsibility. 10.8 Connections for external conductors 1 s the panel builder's responsibility. 10.9.2 Power-frequency electric strength 1 s the panel builder's responsibility. 10.9.3 Impulse withstand voltage 1 s the panel builder's responsibility. 10.10 Temperature rise 10.11 Short-circuit rating 1 s the panel builder's responsibility. 10.12 Electromagnetic compatibility 1 s 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	10.2.3.3 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 10.9.1 They are panel builder's responsibility. 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 Electromagnetic compatibility 10.15 Mechanical function 10.16 Incorporation of switching evides and components Meets the product standard's requirements. 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. Is the panel builder's responsibility. 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.	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 th	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. 10.9.4 Testing of enclosures made of insulating material Is the panel builder's responsibility. 10.10 Temperature rise Not applicable. 10.11 Short-circuit rating Is the panel builder's responsibility. The specifications for the switchgear must be observed. 10.12 Electromagnetic compatibility 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.
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 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 be observed. 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 10.13 Mechanical function 10.14 Edevice 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 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 Mechanical function 10.15 Internal electrical circuits and connections 10.16 Is the panel builder's responsibility. 10.17 Is the panel builder's responsibility. 10.18 Is the panel builder's responsibility. 10.19 Is the panel builder's responsibility. 10.10 Temperature rise 10.11 Short-circuit rating 10.12 Electromagnetic compatibility 10.13 Mechanical function 10.14 Mechanical function 10.15 Internation of switchgear needs to be evaluated. 10.16 Is the panel builder's responsibility. 10.17 Internal electrical circuits and connections 10.18 Internation of switchgear needs to be evaluated. 10.19 Is the panel builder's responsibility. 10.19 Internal electrical circuits and connections 10.10 Internal electrical circuits and connections 10.11 Short-circuit rating 10.12 Electromagnetic compatibility 10.13 Internal electrical circuits and connections 10.14 Internal electrical circuits and connections 10.15 Internal electrical circuits and connections 10.16 Internal electrical circuits and connections 10.17 Internal electrical circuits and connections 10.18 Internal electrical builder's responsibility. 10.19 Internal electrical builder's responsibility. 10.10 Internal electrical builder's responsibility. 10.10 Internal electrical builder's responsibility. 10.11 Internal electrical circuits and conductors 10.12 Electromagnetic compatibility 10.13 Internal electrical builder's responsibility. 10.14 Internal electrical builder's responsibility. 10.15 Internal electrical circuits and conductors 10.16 Internal electrical builder's responsibility. 10.17 Internal electrical circuits and conduct	10.4 Clearances and creepage distances	Meets the product standard's requirements.
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 be observed. 1s the panel builder's responsibility. The specifications for the switchgear must be observed. 1s the panel builder's responsibility. The specifications for the switchgear must be observed. 1s the panel builder's responsibility. The specifications for the switchgear must be observed. 1s the panel builder's responsibility. The specifications for the switchgear must be observed.	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 10.13 Mechanical function 10.14 Strength builder's responsibility. 11.15 Is the panel builder's responsibility. 12.16 Is the panel builder's responsibility. 13.17 Is the panel builder's responsibility. The specifications for the switchgear must be observed. 14.18 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 10.9.4 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. The specifications for the switchgear must be observed. 10.15 the panel builder's responsibility. The specifications for the switchgear must be observed. 10.15 the panel builder's responsibility. The specifications for the switchgear must be observed. 10.16 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 10.13 Mechanical function 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	10.8 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 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	10.9.2 Power-frequency electric strength	Is the panel builder's responsibility.
10.10 Temperature rise Not applicable. 10.11 Short-circuit rating Is the panel builder's responsibility. The specifications for the switchgear must be observed. 10.12 Electromagnetic compatibility Is the panel builder's responsibility. The specifications for the switchgear must be observed. 10.13 Mechanical function The device meets the requirements, provided the information in the instruction	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 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 be 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 b observed.
	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])

[244 020010])		
Colour button		Red
Number of command positions		1
Construction type lens		Round
Hole diameter	mm	22.5
Width opening	mm	0

Height opening	r	nm	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			Titanium
Degree of protection (IP), front side			IP67/IP69K
Degree of protection (NEMA), front side			4X