Illuminated selector switch actuator, RMQ-Titan, With thumb-grip, momentary, 3 positions, yellow, Bezel: titanium



Part no. M22-WLK3-Y

216839

EL Number ay)

4355756

(N	0	r	w	a	ν

(NUI Way)	
General specifications	
Product name	Eaton Moeller® series M22 Illuminated selector switch actuator
Part no.	M22-WLK3-Y
EAN	4015082168391
Product Length/Depth	46 millimetre
Product height	30 millimetre
Product width	30 millimetre
Product weight	0.013 kilogram
Compliances	CE Marked
Certifications	CSA Std. C22.2 No. 14-05 IEC 60947-5 UL 508 EN 60947-5 CSA Std. C22.2 No. 94-91 VDE UL UL Category Control No.: NKCR IEC/EN 60947-5 CSA-C22.2 No. 94-91 CSA File No.: 012528 UL File No.: E29184 IEC/EN 60947 CSA Class No.: 3211-03 CE CSA VDE 0660 CSA-C22.2 No. 14-05
Product Tradename	M22
Product Type	Illuminated selector switch actuator
Product Sub Type	None
Features & Functions	
Bezel color	Titanium
Bezel material	Plastic
Color	Yellow
Design	With thumb-grip
Fitted with:	Front ring
Functions	Stay-put/spring-return function, can be changed with coding parts M22-XC-Y
General information	
Accessories	Thumb grip
Degree of protection	NEMA 4X, 13
Degree of protection (front side)	IP66
Lifespan, mechanical	100,000 Operations
Opening diameter	22.5 mm
Operating frequency	2000 Operations/h
Operating torque	0.3 N·m
Product category	RMQ-Titan
Size	Front diameter: 29.7 mm
Suitable for	Illumination
Switching angle	40 °
Туре	Illuminated selector switch actuator
Ambient conditions, mechanical	
Mounting position	As required
Shock resistance	30 g, Mechanical, According to IEC/EN 60068-2-27, Sinusoidal shock 11 ms
	Mechanical, According to IEC/EN 60068-2-27, Sinusoidal shock 11 his

Connection to SmartWire-DT Actuator Color Actuator Function Actuator Function Actuator Function Actuator Function Actuator Function Actuator Type Actuator Type Actuator Type Actuator Type Number of switch positions Contacts Force for positive opening - min Design verification Equipment heat dissipation, current-dependent Pvid Heat dissipation apening - min Design verification Equipment heat dissipation, current-dependent Pvid Heat dissipation apening - min Do W Retad operational current for specified heat dissipation (In) Astinc head dissipation, current-dependent Pvid OW Retad operational current for specified heat dissipation (In) Astinc head dissipation, current-dependent Pvid Do W Retad operational current for specified heat dissipation (In) Astinc head dissipation, non-current-dependent Pvid Do W Retad operational current for specified heat dissipation (In) Astinc head dissipation, non-current-dependent Pvid Do W Retad operational current for specified heat dissipation (In) Astinc head dissipation, non-current-dependent Pvid Do W Retad operational current for specified heat dissipation (In) Astinc head dissipation, non-current-dependent Pvid Do W Retad operational current for specified heat dissipation (In) Astinc heat dissipation, non-current-dependent Pvid Do W Retad operational current for specified heat dissipation (In) Astinc heat dissipation of resistance of insulating materials to normal heat 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. 10.2.3.1 Verification of resistance of insulating materials to normal heat 10.2.3 Resistance to ultra-violet (IV) radiation 10.2.4 Resistance to ultra-violet (IV) radiation 10.2.5 Herose enquire 10.2.6 Departed production of assemblies 10.2.7 Departed production of assemblies 10.3.0 Departed production of assemblies 10.4.0 Clearances and creepage distances Mee	Climatic environmental conditions	
Communication Connection to SmartWire-OT Actuator Varies SWO-RMQ connections Yes Actuator Varies Cooling Actuator SmartWire-OT Actuator Varies Cooling Actuator Varies Cooling Actuator Varies Cooling Actuator Varies Cooling Actuator Varies	Ambient operating temperature - min	-25 °C
Damp heat, constant, to IEC 6008-2-78 Communication Connection to SmartWire-DT Actuator color Actuator function Actuator type Actuator Actuator type Actuator Actuator type Actuator Actuator Actuator	Ambient operating temperature - max	70 °C
Connection to SmertVire-DT Actuator color Actuator function Actua	Climatic proofing	
Actuator Actuator color Actuator function Actuator function Actuator fyne Actuator fyn	Communication	
Actuator eolor Actuator function Actuator type Diggle Number of switch positions Contacts Force for positive opening - min Dosign verification Equipment heat dissipation, current-dependent Pvid Heat dissipation, current-dependent Pvid Heat dissipation capacity Pdiss Heat dissipation acpacity Pdiss Heat dissipation current-dependent Pvid Heat dissipation project, current-dependent Pvid Heat dissipation project, current-dependent Pvid Heat dissipation acpacity Pdiss Heat dissipation accurrent for specified heat dissipation (n) Static heat dissipation current-dependent Pvid 10.2.2 Corroson resistance Meats dissipation accurrent for specified heat dissipation (n) Static heat dissipation accurrent for specified heat dissipation (n) Static heat dissipation accurrent for specified heat dissipation (n) Static heat dissipation accurrent for specified heat dissipation (n) Static heat dissipation accurrent for specified heat dissipation (n) Static heat dissipation accurrent for specified heat dissipation (n) Static heat dissipation accurrent for specified heat dissipation (n) Static heat dissipation accurrent for specified heat dissipation (n) Static heat dissipation accurrent for specified heat dissipation (n) Static heat dissipation accurrent for specified heat dissipation (n) Static heat dissipation accurrent for specified heat dissipation (n) Static heat dissipation accurrent for specified heat dissipation (n) 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. District accurrent short of accurrent short o	Connection to SmartWire-DT	
Actuator function Actuator type Number of avitch positions 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 current dependent Pvid Heat dissipation, current-dependent Pvid Heat dissipation, current-dependent Pvid Heat dissipation, current-dependent Pvid Heat dissipation, current-dependent Pvid Heat dissipation, con-current-dependent Pvid Use Cornasion resistance Heat dissipation, non-current-dependent Pvid Use Cornasion resistance Heat dissipation of resistance Heat dissipation of resistance Heat dissipation of resistance of insulating materials to normal heat the product standard's requirements. 10.2.3 Verification of resistance to ultra-violet (IUV) redistrion 10.2.3 Verification of resistance to ultra-violet (IUV) redistrion 10.2.5 Lifting Does not apply, since the entire switchgear needs to be evaluated. 10.2.1 Verification of search limpact Does not apply, since the entire switchgear needs to be evaluated. 10.4 Clearances and crospage distances Does not apply, since the entire switchgear needs to be evaluated. 10.5 Protection of assemblies Does not apply, since the entire switchgear needs to be evaluated. 10.6 Comections of external conductors 10.7 Internal electrical circuits and commonctions 10.8 Comections of external conductors 10.9 Protection of switching devices and components 10.1 Internal electrical circuits and commocitions 10.9 Protection of switching devices and components 10.1 Internal electrical circuits and commocitions 10.8 Comections for external conductors 10.9 Protection of switching devices and components 10.1 Internal electrical circuits and commocitions 10.8 Life panel builder's responsibility. 10.9 Protection of switching devices and components 10.1 Internal elec	Actuator	
Actuator type Number of switch positions Contacts Force for positive opening - min Design verification Equipment heat dissipation, current-dependent Pvid OW Heat dissipation per pole, current-dependent Pvid Heat dissipation, non-current-dependent Pvid OW Heat dissipation for specified heat dissipation (In) Static heat dissipation, non-current-dependent Pvs OW Heat dissipation of or setstance 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 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 Obes not apply, since the entire switchgear needs to be evaluated. 10.2.1 Inscriptions Meets the product standard's requirements. 10.2.1 Proscriptions Meets the product standard's requirements. 10.2.1 Proscriptions Obes not apply, since the entire switchgear needs to be evaluated. 10.2 Inscriptions Meets the product standard's requirements. 10.3 Degree of protection of assemblies 10.4 Clearences and croepage distances Meets the product standard's requirements. 10.5 Protection against electric shock Obes not apply, since the entire switchgear needs to be evaluated. 10.1 Inscriptions Meets the product standard's requirements. 10.2 Prover frequency electric shock Obes not apply, since the entire switchgear needs to be evaluated. 10.1 Inscriptions Is the pannel builder's responsibility. 10.2 Power-frequency electric strong the entire switchgear needs to be evaluated. 10.2 Inscriptions 10.3 Econoections for external conductors 10.4 Testing enclosures made of insulating material 10.4 Testing enclosures made of insulating material 10.5 Inscriptions 10.6 Testing enclosures made of insulating material 10.8 the pannel builder's responsibility. 10.9 Tes	Actuator color	Black
Number of switch positions 3	Actuator function	·
Contacts Force for positive opening - min Design verification Equipment heat dissipation, current-dependent Pvid Heat dissipation or prole, 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 OW Rated operational current for specified heat dissipation (in) Static heat dissipation, non-current-dependent Pvs OW 10.2.2 Corrosion resistance of insulating materials to normal heat 10.2.3 Verification of thermal stability of enclosures 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 Resistance to ultra-violet (UV) radiation Please enquire 10.2.5 Lifting Ooes 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 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. 10.5 Incorporation of switching devices and components 10.6 Incorporation of switching devices and components 10.7 Internal electrical circuits and connections 10.8 Commections for external conductors 10.9 Recorporation of switching devices and components 10.9 Prover-frequency electric strength 10.9 Reproporation of switching devices and components 10.9 Internal electrical circuits and connections 10.9 Intern	Actuator type	Toggle
Porce for positive opening - min Design verification Equipment heat dissipation, current-dependent Pvid Design verification Equipment heat dissipation, current-dependent Pvid Heat dissipation capacity Priss OW Heat dissipation capacity Priss Bated operational current for specified heat dissipation (In) Static heat dissipation, non-current-dependent Pvid OW 10.22 Corrosion resistance 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 in the product standard's requirements. 10.24.3 Resistance to ultra-violet (IVI) radiation Please enquire 10.25 Lifting Oees 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 Oees 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 Oees 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 Is the panel builder's responsibility. 10.8 Connections for external conductors Is the panel builder's responsibility. 10.9.4 Testing of enclosures made of insulating material 10.10 Temperature rise Not applicable. 10.11 Short-circuit rating Letter and the entire switchgear must be observed. 10.13 Mechanical function The device meets the requirements, provided the information in the instruction	Number of switch positions	3
Design verification Equipment heat dissipation, current-dependent Pvid Heat dissipation capacity Pdiss OW Rated operational current for specified heat dissipation (In) Static heat dissipation, current-dependent Pvid OW Rated operational current for specified heat dissipation (In) 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 Meets the product standard's requirements. 10.23.8 Resist of insul. mat. to abnormal heat/fire by internal elect. effects Meets the product standard's requirements. 10.24.8 Resistance to ultra-violet (UV) radiation 10.25 Lifting Does not apply, since the entire switchgear needs to be evaluated. 10.2.6 Mechanical impact 10.2 Degree of protection of assemblies Does not apply, since the entire switchgear needs to be evaluated. 10.4 Clearances and creepage distances Meets the product standard's requirements. 10.5 Protection against electric shock Does not apply, since the entire switchgear needs to be evaluated. 10.6 Incorporation of switching devices and components Does not apply, since the entire switchgear needs to be evaluated. 10.7 Internal electrical circuits and connections Is the panel builder's responsibility. 10.8 Connections for external conductors Is the panel builder's responsibility. 10.9.4 Testing of enclosures made of insulating material 10.10 Temperature rise Not applicable. 10.11 Short-circuit rating Is the panel builder's responsibility. 10.12 Electromagnetic compatibility 10.13 Mechanical function The device meets the requirements, provided the information in the instruction	Contacts	
Equipment heat dissipation, current-dependent Pvid Heat dissipation capacity Pdiss 0 W Rated operational current for specified heat dissipation (In) Static heat dissipation non-current-dependent Pvid 0 W Rated operational current for specified heat dissipation (In) Static heat dissipation, non-current-dependent Pvis 0 W 0 W Meets the product standard's requirements. 10.2.2.1 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 10.2.5 Lifting Does not apply, since the entire switchgear needs to be evaluated. 10.2.8 Mechanical impact 10.9 Dees not apply, since the entire switchgear needs to be evaluated. 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 10.8 Connections for external conductors 10.9 Power-frequency electric strength 10.9 Power-frequency electric strength 10.9.1 Internal electric strength 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 10.10 Temperature rise 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	Force for positive opening - min	0 N
Heat dissipation capacity Pdiss Heat dissipation prople, 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 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. 10.24.4 Resistance to ultra-violet (UV) radiation Please enquire 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. 10.26 Mechanical impact Does not apply, since the entire switchgear needs to be evaluated. 10.4 Clearances and creepage distances Meets the product standard's requirements. 10.5 Protection against electric shock Does not apply, since the entire switchgear needs to be evaluated. 10.4 Clearances and creepage distances Meets the product standard's requirements. 10.5 Protection against electric shock Does not apply, since the entire switchgear needs to be evaluated. 10.6 Connections for external conductors Selection 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. 10.9.2 Power-frequency electric strength 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 Electromagnetic compatibility 10.12 Electromagnetic compatibility 10.13 Mechanical function The device meets the requirements, provided the information	Design verification	
Heat dissipation per pole, current-dependent Pvid Rated operational current for specified heat dissipation (In) Static heat dissipation, non-current-dependent Pvs 0 W 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 10.2.3.3 Resist of insul. mat. to abnormal heat/fire by internal elect. effects 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 Power-frequency electric strength 10.9 In publise withstand voltage 10.9 Testing of enclosures made of insulating material 10.10 Temperature rise 10.11 Short-circuit rating 10.12 Electromagnetic compatibility 10.15 Repair builder's responsibility. The specifications for the switchgear must be observed. 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	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 102.3.1 Verification of thermal stability of enclosures Meets the product standard's requirements. 102.3.2 Verification of resistance of insulating materials to normal heat 102.3.3 Resist. of insul. mat. to abnormal heat/fire by internal elect. effects Meets the product standard's requirements. 102.3.3 Resist. of insul. mat. to abnormal heat/fire by internal elect. effects Meets the product standard's requirements. 102.4 Resistance to ultra-violet (UV) radiation 102.5 Lifting 102.6 Machanical impact 102.7 Inscriptions Meets the product standard's requirements. 103.9 Degree of protection of assemblies 104.1 Peace angular 105.2 Protection against electric shock 105.2 Protection against electric shock 106.6 Incorporation of switching devices and components 107.7 Internal electrical circuits and connections 108.7 Connections for external conductors 108.7 Connections for external conductors 108.7 Connections for external conductors 109.9 Power-frequency electric strength 109.9 Power-frequency electric strength 109.9 Testing of enclosures made of insulating material 109.9 Testing of enclosures made of insulating material 109.1 Electromagnetic compatibility 109.1 Electromagnetic compatibility 101.1 Short-circuit rating 101.3 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 10.3 Degree of protection 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 10.9.1 Resting 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 Lelectromagnetic compatibility 10.15 Protection against electric strength 10.16 Incorporation of switching devices and components 10.17 Internal electrical circuits and connections 10.18 the panel builder's responsibility. 10.19 Temperature rise 10.10 Temperature rise 10.11 Short-circuit rating 10.12 Electromagnetic compatibility 10.13 Mechanical function 10.13 Mechanical function 10.14 Media the product standard's requirements. 10.15 Media the product standard's requirements. 10.16 Meets the product standard's requirements. 10.17 Internal electric shock 10.18 Internal electric shock 10.29 Internal electric shock 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 Temperature rise 10.10 Temperature rise 10.11 Short-circuit rating 10.12 Electromagnetic compatibility 10.13 Mechanical function 10.14 Media the product standard's requirements. 10.15 Media the product standar	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 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 10.9.1 Resing of enclosures made of insulating material 10.9.1 Resing of enclosures made of insulating material 10.10 Temperature rise 10.11 Short-circuit rating 10.12 Electromagnetic compatibility 10.10 Steppe and compatibility 10.10 Steppe and of switching devices and components 10.10 Temperature rise 10.11 Short-circuit rating 10.12 Electromagnetic compatibility 10.13 Mechanical function 10.13 Mechanical function 10.14 Resing of enclosures made of insulating material 10.15 In the panel builder's responsibility. The specifications for the switchgear must by observed. 10.10 Temperature rise 10.11 Short-circuit rating 10.12 Electromagnetic compatibility 10.13 Mechanical function 10.13 Mechanical function 10.14 Resince the entire size the requirements. 10.15 Mechanical function 10.16 Meets the product standard's requirements. 10.17 Meets the entire switchgear meeds to be evaluated. 10.18 Meets the product standard's requirements. 10.19 A Temperature rise 10.19 A Temperature rise 10.10 Temperature rise 10.11 Short-circuit rating 10.12 Electromagnetic compatibility 10.13 Mechanical function	Rated operational current for specified heat dissipation (In)	0 A
10.2.3.1 Verification of thermal stability of enclosures 10.2.3.2 Verification of resistance of insulating materials to normal heat 10.2.3.2 Resist. of insul. mat. to abnormal heat/fire by internal elect. effects 10.2.4 Resistance to ultra-violet (UV) radiation 10.2.5 Lifting 10.2.6 Mechanical impact 10.2.7 Inscriptions 10.3 Degree of protection of assemblies 10.4 Clearances and creepage distances 10.4 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 10.9.1 Temperature rise 10.10 Temperature rise 10.11 Short-circuit rating 10.12 Electromagnetic compatibility 10.10 Temperature rise 10.11 Short-circuit rating 10.13 Mechanical function 10.13 Mechanical function 10.14 Resistance of insulation of switching devices and components 10.15 Incorporation of switching devices and components 10.16 Incorporation of switching devices and components 10.17 Internal electric circuits and connections 10.18 Lephanel builder's responsibility. 10.19 Temperature rise 10.19 Temperature rise 10.10 Temperature rise 10.11 Short-circuit rating 10.12 Electromagnetic compatibility 10.13 Mechanical function 10.13 Mechanical function 10.14 Resistance of insulation material in the panel builder's responsibility. The specifications for the switchgear must be observed. 10.12 Electromagnetic compatibility 10.13 Mechanical function 10.13 Mechanical function	Static heat dissipation, non-current-dependent Pvs	0 W
10.2.3.2 Verification of resistance of insulating materials to normal heat 10.2.3.3 Resist. of insul. mat. to abnormal heat/fire by internal elect. effects 10.2.4 Resistance to ultra-violet (UV) radiation 10.2.5 Lifting 10.2.5 Lifting 10.2.6 Mechanical impact 10.2.7 Inscriptions 10.3.0 Begree of protection 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 10.9.2 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 10.13 Mechanical function 10.13 Mechanical function 10.14 Resistance of insulating material elect. effects 10.15 Protection against electric shock 10.15 Protection against electric shock 10.16 Incorporation of switching devices and components 10.17 Internal electrical circuits and connections 10.18 Life panel builder's responsibility. 10.19 Power-frequency electric strength 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 10.13 Mechanical function 10.14 Mechanical function 10.15 Mechanical function	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 10.4 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 10.11 Short-circuit rating 10.12 Electromagnetic compatibility 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. 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 10.2.5 Lifting Does not apply, since the entire switchgear needs to be evaluated. 10.2.7 Inscriptions Meets the product standard's requirements. 10.3 Degree of protection of assemblies Does not apply, since the entire switchgear needs to be evaluated. 10.4 Clearances and creepage distances Meets the product standard's requirements. 10.5 Protection against electric shock Does not apply, since the entire switchgear needs to be evaluated. 10.6 Incorporation of switching devices and components Does not apply, since the entire switchgear needs to be evaluated. 10.7 Internal electrical circuits and connections Is the panel builder's responsibility. 10.8 Connections for external conductors Is the panel builder's responsibility. 10.9.2 Power-frequency electric strength Is the panel builder's responsibility. 10.9.4 Testing of enclosures made of insulating material Is the panel builder's responsibility. 10.10 Temperature rise 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.
10.2.5 Lifting Does not apply, since the entire switchgear needs to be evaluated. 10.2.6 Mechanical impact Does not apply, since the entire switchgear needs to be evaluated. 10.2.7 Inscriptions Meets the product standard's requirements. 10.3 Degree of protection of assemblies Does not apply, since the entire switchgear needs to be evaluated. 10.4 Clearances and creepage distances Meets the product standard's requirements. 10.5 Protection against electric shock Does not apply, since the entire switchgear needs to be evaluated. 10.6 Incorporation of switching devices and components Does not apply, since the entire switchgear needs to be evaluated. 10.7 Internal electrical circuits and connections Is the panel builder's responsibility. 10.9.2 Power-frequency electric strength Is the panel builder's responsibility. 10.9.3 Impulse withstand voltage Is the panel builder's responsibility. 10.9.4 Testing of enclosures made of insulating material 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 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 10.9.2 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 10.20 Sassemblies 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. 10.5 Power the entire switchgear needs to be evaluated. 10.6 Incorporation of switching devices and components 10.8 Lepanel builder's responsibility. 10.9.9 Power-frequency electric strength 10.11 Short-circuit rating 10.12 Electromagnetic compatibility 10.13 Mechanical function The device meets the requirements, provided the information in the instruction	10.2.4 Resistance to ultra-violet (UV) radiation	Please enquire
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. Meets the product standard's requirements. 10.5 Protection against electric shock Does not apply, since the entire switchgear needs to be evaluated. 10.6 Incorporation of switching devices and components Does not apply, since the entire switchgear needs to be evaluated. 10.7 Internal electrical circuits and connections Is the panel builder's responsibility. 10.8 Connections for external conductors Is the panel builder's responsibility. 10.9.2 Power-frequency electric strength Is the panel builder's responsibility. 10.9.4 Testing of enclosures made of insulating material 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 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.
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 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. The specifications for the switchgear must be observed. 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.	10.2.6 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. Not applicable. 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. 10.13 Mechanical function The device meets the requirements, provided the information in the instruction	10.2.7 Inscriptions	Meets the product standard's requirements.
10.5 Protection against electric shock 10.6 Incorporation of switching devices and components 10.7 Internal electrical circuits and connections 10.8 Connections for external conductors 10.9.2 Power-frequency electric strength 10.9.3 Impulse withstand voltage 10.9.4 Testing of enclosures made of insulating material 10.10 Temperature rise 10.11 Short-circuit rating 10.12 Electromagnetic compatibility 10.13 Mechanical function 10.13 Mechanical function Does not apply, since the entire switchgear needs to be evaluated. 10 sthe 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. The device meets the requirements, provided the information in the instruction	10.3 Degree of protection of assemblies	Does not apply, since the entire switchgear needs to be evaluated.
10.6 Incorporation of switching devices and components 10.7 Internal electrical circuits and connections 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 Does not apply, since the entire switchgear needs to be evaluated. Is the panel builder's responsibility. Is the panel builder's responsibility. Is the panel builder's responsibility. Not applicable. 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	10.4 Clearances and creepage distances	Meets the product standard's requirements.
10.7 Internal electrical circuits and connections 10.8 Connections for external conductors 10.9.2 Power-frequency electric strength 10.9.3 Impulse withstand voltage 10.9.4 Testing of enclosures made of insulating material 10.10 Temperature rise 10.11 Short-circuit rating 10.12 Electromagnetic compatibility 10.13 Mechanical function Is the panel builder's responsibility. Is the panel builder's responsibility. Not applicable. Is the panel builder's responsibility. Is the panel builder's responsibility. Is the panel builder's responsibility. The specifications for the switchgear must be observed. 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 Is the panel builder's responsibility. Is the panel builder's responsibility. Not applicable. Is the panel builder's responsibility. The specifications for the switchgear must be observed. 10.12 Electromagnetic compatibility 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 1 Is the panel builder's responsibility. The specifications for the switchgear must be observed. 10.13 Mechanical function 1 Is the panel builder's responsibility. The specifications for the switchgear must be observed. 10.13 Mechanical function 1 The device meets the requirements, provided the information in the instruction	10.7 Internal electrical circuits and connections	Is the panel builder's responsibility.
10.9.3 Impulse withstand voltage 10.9.4 Testing of enclosures made of insulating material 10.10 Temperature rise 10.11 Short-circuit rating 10.12 Electromagnetic compatibility 10.13 Mechanical function Is the panel builder's responsibility. Not applicable. 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 be observed.
	10.12 Electromagnetic compatibility	Is the panel builder's responsibility. The specifications for the switchgear must be observed.
	10.13 Mechanical function	

Technical data ETIM 9.0

Low-voltage industrial components (EG000017) / Front element for selector switch (EC000222)

Electric engineering, automation, process control engineering / Low-voltage switch technology / Command and alarm device / Front element for selector switches (ecl@ss13-27-37-12-13 [AKF031019])

[AKF031019])		
Number of switch positions	3	
Type of control element	Toggle	
Suitable for illumination	Yes	
Colour control element	Black	
Colour indicator light cap	Yellow	
Construction type lens	Round	

Hole diameter	mm	22.5
Width opening	mm	0
Height opening	mm	0
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		IP66
Degree of protection (NEMA)		4X, 13