Illuminated selector switch actuator, maintained, 45°, 18  $\times$  18 mm, 2 positions, With thumb-grip, green, with VS anti-rotation tab, without light elements, With base, W2x4,6d; max. 30 V, 1 W



Part no. Q18LWK1R-GN 040350

General specifications	
Product name	Eaton Moeller® series RMQ16 Illuminated selector switch actuator
Part no.	Q18LWK1R-GN
EAN	4015080403500
Product Length/Depth	75 millimetre
Product height	18 millimetre
Product width	18 millimetre
Product weight	0.014 kilogram
Certifications	UL File No.: E29184 CSA File No.: 46552 UL 508 IEC/EN 60947-5 IEC/EN 60947 CSA CE UL Category Control No.: NKCR UL CSA Class No.: 3211-03 CSA-C22.2 No. 14-05
Product Tradename	RMQ16
Product Type	Illuminated selector switch actuator
Product Sub Type	None
Catalog Notes	Filament bulb or LED needs to be ordered separately
Features & Functions	
Bezel color	Black
Bezel material	Plastic
Design	With thumb-grip
Fitted with:	VS anti-rotation tab
General information	
Degree of protection	NEMA 1
Degree of protection (front side)	IP65
Lifespan, mechanical	3,000,000 Operations
Opening diameter	16 mm
Operating frequency	1800 Operations/h
Operating torque	0.2 N·m
Overvoltage category	III
Pollution degree	3
Product category	RMQ16
Size	Front dimensions: 18 x 18 mm
Rated impulse withstand voltage (Uimp)	800 V AC
Suitable for	Illumination
Switching angle	45°
Terminal capacity	0.5 - 1.0 mm <sup>2</sup>
Terminal size	$2.8\times0.8$ mm to DIN 46244, Blade terminal $2.8\times0.8$ mm to DIN 46247 and IEC 60760, Fast-on connectors
Туре	Illuminated selector switch actuator
Ambient conditions, mechanical	
Mounting position	As required
Shock resistance	40 g, Mechanical, According to IEC/EN 60068-2-27, Sinusoidal shock 11 ms Mechanical, According to IEC/EN 60068-2-27
Climatic environmental conditions	

Ambient operating temperature - max Ambient operating temperature (enclosed) - min Ambient operating temperature (enclosed) - max Climatic proofing Rated insulation voltage (UI) Rated operational voltage (Ue) at AC - max Actuator Actuator color Actuator function Actuator function Actuator type Number of switch positions  Control circuit reliability Communication Connection to SmartWire-DT  Ambient operating temperature (enclosed) - min Ambient operating temperature (enclosed) - min Ambient operating temperature (enclosed) - min Adv ° C Damp heat, constant, to IEC 60068-2-78 Damp heat, cyclic, to IEC 60068-2-30  Bap heat, constant, to	Ambient operating temperature - min	-25 °C
Ambiers apperating temperature (conclosed - min		
Annibert spensing temperature fendoed - max  Climiter purefung  Biomy beats, content, in IEC 80008-2-70  Damp beats, content, in IEC 80008-2-70  Biomy beats, content, in IEC 80008-2-70  Biomy beats, content, in IEC 80008-2-70  20 V  Restrict content on veloage IU1  Restrict operational veltage IU2 at AC - max  Actuator  Actuator coor  Actuator for Coor  Actuator function  Actuator type  Toggle  Number of evolution perithins  Contracts:  Contract in evolution perithins  Contracts:  Contract in court electric reliability  Influence per 10,000,000 swetching operations (Statistically determined, at 24 V DCS and a court of perithins on the contracts of the contracts of the contracts of the contract of the contracts of the contract of the		25 °C
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Reard insulation vallage (Ur) at AC - max  Actuator color  Actuator function  Actuator function  Actuator spe  Actuator spe  Actuator spe  Actuator spe  Control circuit reliability  Actuator spe  Actuat		Damp heat, constant, to IEC 60068-2-78
Retade operational voltage (IUe) at AC - mux  Actuator color  Actuator color  Actuator truttion  Actuator truttion  Actuator truttion  Actuator trype  Number of switch positions  Correct  Corricol circuit reliability  Tailure per 10,000,000 switching operations (Statistically determined, at 24 V D C 5 mA)  I failure per 10,000,000 switching operations (Statistically determined, at 24 V D C 5 mA)  I failure per 5,000,000 switching operations (Statistically determined, at 24 V D C 5 mA)  I failure per 5,000,000 switching operations (Statistically determined, at 24 V D C 5 mA)  I failure per 5,000,000 switching operations (Statistically determined, at 24 V D C 5 mA)  I failure per 5,000,000 switching operations (Statistically determined, at 24 V D C 5 mA)  I failure per 5,000,000 switching operations (Statistically determined, at 24 V D C 5 mA)  I failure per 5,000,000 switching operations (Statistically determined, at 24 V D C 5 mA)  I failure per 5,000,000 switching operations (Statistically determined, at 24 V D C 5 mA)  I failure per 5,000,000 switching operations (Statistically determined, at 24 V D C 5 mA)  I failure per 5,000,000 switching operations (Statistically determined, at 24 V D C 5 mA)  I failure per 5,000,000 switching operations (Statistically determined, at 24 V D C 5 mA)  I failure per 5,000,000 switching operations (Statistically determined, at 24 V D C 5 mA)  I failure per 10,000,000 switching operations (Statistically determined, at 24 V D C 5 mA)  I failure per 5,000,000 switching operations (Statistically determined, at 24 V D C 5 mA)  I failure per 5,000,000 switching operations (Statistically determined, at 24 V D C 5 mA)  I failure per 10,000,000 switching operations (Statistically determined, at 24 V D C 5 mA)  I failure per 10,000,000 switching operations (Statistically determined, at 24 V D C 5 mA)  I failure per 10,000,000 switching operations (Statistically determined, at 24 V D C 5 mA)  I failure per 10,000,000 switching operations (Statistically determined, at 24 V D C 5 mA)  I f	Electrical rating	
Actuator function Actuator type Toggle Toggle Actuator type Toggle Toggl	Rated insulation voltage (Ui)	250 V
Actuator runction Actuator runction Actuator rupe Actuator rupe Actuator rupe Actuator rupe Actuator rupe Number of switch positions Contacts  Control circuit reliability  Control circuit reliability  Control circuit reliability  Communication  Communication  Communication  Communication  Communication  Communication  Equipment band dissipation, current-dependent Pvid  Design verification  Quality responsibility  Head dissipation capacity Pdias  OW  Head dissipation capacity Pdias  OW  Head dissipation of probe, current-dependent Pvid  Actuator current dependent Pvid  Actuator of the main stability of enclosurers  Actuator of the main stability of enclosurers  10.2.3.1 Verification of thermal stability of enclosurers  10.2.3.2 Verification of resistance of insulating materials to normal heat  10.2.3.3 Resist of insul. mat. to abnormal heat/file by internal elect. effects  10.2.4 Resistance to ultra-violet (UV) radiation  10.2.5 Editing  Does not apply, since the entire averlichger needs to be evaluated.  10.2.5 Interciptions  Does not apply, since the entire averlichger needs to be evaluated.  10.2.7 Interciptions  10.2.8 Interciption and assemblies  Does not apply, since the entire averlichger needs to be evaluated.  10.2.1 Internal electrical circuits shock  10.2.2 Power-repared velocitic attended to:  10.2.3 Internal electrical circuits and components  10.3 Degree of protection of assemblies  Does not apply, since the entire averlichger needs to be evaluated.  10.2.4 Internal electrical circuits and connections  10.3 Internal electrical circuits and connections  10.4 Internal electrical circuits and connections  10.5 Internal electrical circuits and connections  10.6 Interpretation of assemblies  Does not apply, since the entire averlichger needs to be evaluated.  10.5 Protection against electric shock  10.6 Interpretation of assemblies  10.6 Interpretation of assemblies  10.7 Internal electrical circuits and connections  10.8 Internal electrical circuits and connections  10.9 Internal electrical circuits an	Rated operational voltage (Ue) at AC - max	24 V
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Actustor function Actustor fype Number of switch positions  Contracts  Control circuit reliability  Inlivine per 3,000,000 switching operations (Statistically determined, at 24 V DC5 mA) Inlivine per 3,000,000 switching operations (Statistically determined, at 24 V DC5 mA) Inlivine per 3,000,000 switching operations (Statistically determined, at 3 V DC1 mA)  Communication  Communication  Communication  Communication  Communication  Design verification  Equipment heat dissipation, capacity Pdies  Quy  Heat dissipation capacity Pdies  Quy  Heat dissipation capacity Pdies  Quy  Heat dissipation per pole, current-dependent Pvid  Quy  Heat dissipation per pole, current-dependent Pvid  Aster pole per pole current per pole p		Black
Actuator type  Number of switch positions  Contacts  Cortrol circuit reliability  Communication  Connection to SmartWire-DT  Design verification  Equipment hear dissipation, current-dependent Pvid Hear dissipation, capacity Pdiss  Ow  Retard signation, or policy current-dependent Pvid Hear dissipation, capacity Pdiss  Ow  Retard dispitation, pro-current-dependent Pvid Hear dissipation, or ppolicy current-dependent Pvid  Retard dispitation, pro-current-dependent Pvid  Ow  Retard dispitation, pro-current-dependent Pvid  Retard dispitation, or policy current-dependent Pvid  Retard dispitation of resistance of insalating materials to normal heat  Retard dispitation of resistance of insalating material to policy current-dependent policy		
Contacts	- Notation (unitable)	
Communication Commerciation SmartWire-DT Design verification Commerciation SmartWire-DT Design verification Commerciation Commerciation Commerciation Commerciation Commerciation Commerciation Commerciation Commerciation Commerciation Design verification Commerciation Commerciation Commerciation Commerciation Commerciation Design verification  Design verification  Read operational current-dependent Pvid OW Heat dissipation capacity Pdiss OW Heat dissipation capacity Pdiss OW Heat dissipation in capacity Pdiss OW Heat the product standard's requirements.  10.2.3 Verification of thermal stability of enclosures Meets the product standard's requirements.  10.2.3 Verification of resistance of insulating materials to normal heat 10.2.3 Product of resistance of insulating materials to normal heat 10.2.3 Product on dissipation, unst to abnormal heat/fire by internal elect. effects Meets the product standard's requirements.  10.2.4 Rehamical impact Opes not apply, since the entire switchgear needs to be evaluated.  10.2.5 Lifting Does not apply, since the entire switchgear needs to be evaluated.  10.2.6 Mechamical impact Does not apply, since the entire switchgear needs to be evaluated.  10.3 Degree of protection of assemblies Does not apply, since the entire switchgear needs to be evaluated.  10.4 Clearances and creepage distances Meets the product standard's requirements.  10.5 Protection against electric shock Does not apply, since the entire switchgear needs to be evaluated.  10.6 Incorporation of switchgear needs to be evaluated.  10.7 Incorporation of switchgear needs to be evaluated.  10.8 Incorporation of switchgear needs to be evaluated.  10.9 Incorporation of switchgear needs	Actuator type	Toggle
Control circuit reliability  I failure per 1,000,000 switching operations (Statistically determined, at 24 V D.U.5 nA.)  And I failure per 5,000,000 switching operations (statistically determined, at 5 V D.U.7 nA.)  Commounication  Commou	Number of switch positions	2
Tailure per 5,000,000 switching operations (statistically determined, at SV DC/I mA)  Communication  Connection to SmartWire-DT  Design verification  Equipment heat dissipation, current-dependent Pvid  Hoat dissipation apacity Pdiss  Hoat dissipation apacity Pdiss  OW  Hoat dissipation apacity Pdiss  OW  Rated operational current for specified heat dissipation (In)  Static heat dissipation, non-current-dependent Pvid  A Static heat dissipation, non-current-dependent Pvid  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 Perification of thermal stability of enclosures  10.2.3.2 Power-frequire perification of thermal dependent Pvid  10.2.4 Resistance to ultra-violet (IVI) radiation  10.2.5 Lifting  Des not apply, since the entire switchgear needs to be evaluated.  10.2.7 Inscriptions  Meets the product standard's requirements.  10.3.0 Degree of protection of assemblies  10.2.7 Inscriptions  Meets the product standard's requirements.  10.3.0 Degree of protection of assemblies  10.4 Clearances and crierapage distances  Meets the product standard's requirements.  10.5 Protection against electric shock  Does not apply, since the entire switchgear needs to be evaluated.  10.5 Incorporation of switching devices and components  10.5 Incorporation of switching devices and components  10.5 Incorporation of switching devices and components  10.6 Reproduct standard's requirements.  10.7 Internal electric shock  Does not apply, since the entire switchgear needs to be evaluated.  10.8 Incorporation of switching devices and components  10.9 Prover-frequency 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.  10.9.4 Testing of enclosures made of insulating material  10.1 Temperature rise  10.1 Temperature rise  10.1 Short-circuit rating  Let be panel builder's responsibility	Contacts	
Design verification  Equipment heat dissipation, current-dependent Pvid  Heat dissipation capacity Pdiss  Bated operational current for specified heat dissipation (In)  Static heat dissipation, non-current-dependent Pvid  Bated dispation non-current-dependent Pvis  Bated operational current for specified heat dissipation (In)  Static heat dissipation, non-current-dependent Pvs  Bated operational current for specified heat dissipation (In)  Static heat dissipation, non-current-dependent Pvs  Bated operational current for specified heat dissipation (In)  Static heat dissipation, non-current-dependent Pvs  Bated operational current for specified heat dissipation (In)  Static heat dissipation, non-current-dependent Pvs  Bated operational current for specified heat dissipation (In)  Bated operation of extendent standard is requirements.  Bated operational current for specified heat dissipation (In)  Bated operational current for specified heat dissipation (In)  Bated operational current dispendent for pulse heat dissipation (In)  Bated operational current dispendent for pulse heat dissipation (In)  Bated operation of switching devices and components  Bated operational current dispendent for pulse of pulse for seponsibility.  Bated operational current dispendent for the switchgear needs to be evaluated.  Bated operational current for pulse operational current for pulse for seponsibility.  Bated operational current for pulse for the switchgear meat in the panel builder's responsibility.  Bate panel builder's responsibility.  Bate panel builder's responsibility.  Bate panel builder's re	Control circuit reliability	mA) 1 failure per 5,000,000 switching operations (statistically determined, at 5 V DC/1
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Equipment heat dissipation, current-dependent Pvid  Heat dissipation capacity Pdiss  OW  Rated operational current for specified heat dissipation (In)  Static heat dissipation, non-current-dependent Pvid  OW  Rated operational current for specified heat dissipation (In)  OA  Static heat dissipation, non-current-dependent Pvs  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.  10.2.6 Mechanical impact  Does not apply, since the entire switchgear needs to be evaluated.  10.7 Internal electric shock  Does not apply, since the entire switchgear needs to be evaluated.  10.6 Frotection against electric shock  Does not apply, since the entire switchgear needs to be evaluated.  10.6 Incorporation of switching devices and components  Does not apply, since the entire switchgear needs to be evaluated.  10.6 Incorporation of switching devices and components  Does not apply, since the entire switchgear needs to be evaluated.  10.7 Internal electric alcricuits and connections  Is the panel builder's responsibility.  10.8 Connections for external conductors  Is the panel builder's responsibility.  10.9 Power-frequency electric strength  Is the panel builder's responsibility.  10.9 Power-frequency electric strength  Is the panel builder's responsibility.  10.9 Prover-frequency electric strength  Is the panel builder's responsibility.  10.9 Prover-frequency electric strength  Is the panel builder's responsibility.  10.1 Temperature rise  Not applicable.  10.11 Electromagnetic compatibility  Is the panel builder's responsibility.	Connection to SmartWire-DT	No
Equipment heat dissipation, current-dependent Pvid  Heat dissipation capacity Pdiss  OW  Rated operational current for specified heat dissipation (In)  Static heat dissipation, non-current-dependent Pvid  OW  Rated operational current for specified heat dissipation (In)  OA  Static heat dissipation, non-current-dependent Pvs  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.  10.2.6 Mechanical impact  Does not apply, since the entire switchgear needs to be evaluated.  10.7 Internal electric shock  Does not apply, since the entire switchgear needs to be evaluated.  10.6 Frotection against electric shock  Does not apply, since the entire switchgear needs to be evaluated.  10.6 Incorporation of switching devices and components  Does not apply, since the entire switchgear needs to be evaluated.  10.6 Incorporation of switching devices and components  Does not apply, since the entire switchgear needs to be evaluated.  10.7 Internal electric alcricuits and connections  Is the panel builder's responsibility.  10.8 Connections for external conductors  Is the panel builder's responsibility.  10.9 Power-frequency electric strength  Is the panel builder's responsibility.  10.9 Power-frequency electric strength  Is the panel builder's responsibility.  10.9 Prover-frequency electric strength  Is the panel builder's responsibility.  10.9 Prover-frequency electric strength  Is the panel builder's responsibility.  10.1 Temperature rise  Not applicable.  10.11 Electromagnetic compatibility  Is the panel builder's responsibility.	Design verification	
Heat dissipation per pole, current-dependent Pvid  Rated operational current for specified heat dissipation (In)  Static heat dissipation, non-current-dependent Pvs  0W  10.22 Corrosion resistance  Meets the product standard's requirements.  10.2.3.1 Verification of thermal stability of enclosures  Meets the product standard's requirements.  10.2.3.2 Verification of resistance of insulating materials to normal heat  10.2.3.3 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  Does not apply, since the entire switchgear needs to be evaluated.  10.2.6 Mechanical impact  10.2.6 Mechanical impact  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 electric al circuits and connections  Does not apply, since the entire switchgear needs to be evaluated.  10.7 Internal electric al 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.  10.9.2 Power-frequency electric strength  Is the panel builder's responsibility.  10.10 Temperature rise  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.	Equipment heat dissipation, current-dependent Pvid	0 W
Heat dissipation per pole, current-dependent Pvid  Rated operational current for specified heat dissipation (In)  Static heat dissipation, non-current-dependent Pvs  0W  Meets the product standard's requirements.  10.2.3.1 Verification of thermal stability of enclosures  Meets the product standard's requirements.  10.2.3.2 Verification of resistance of insulating materials to normal heat  10.2.3.3 Verification of resistance of insulating materials to normal heat  10.2.3.3 Resist, of insul. mat. to abnormal heat/fire by internal elect. effects  10.2.4 Resistance to ultra-violet (UV) radiation  10.2.5 Lifting  10.2.6 Mechanical impact  10.2.6 Mechanical impact  10.2.7 Inscriptions  Meets the product standard's requirements.  10.3 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 of assemblies  10.6 Incorporation of assimbling evices and components  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  10.10 Temperature rise  10.10 Temperature rise  10.11 Short-circuit rating  10.12 Electromagnetic compatibility  10.15 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	Heat dissipation capacity Pdiss	0 W
Rated operational current for specified heat dissipation (In)  Static heat dissipation, non-current-dependent Pvs  0 W  10.2.2 Corrosion resistance  Meets the product standard's requirements.  10.2.3.1 Verification of thermal stability of enclosures  Meets the product standard's requirements.  10.2.3.2 Verification of resistance of insulating materials to normal heat  10.2.3.3 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  10.2.6 Machanical impact  10.2.6 Machanical impact  10.2.7 Inscriptions  Meets the product standard's requirements.  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  10.6 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 Testing of enclosures made of insulating material  10.1 Temperature rise  10.1 Internal electrications  10.2 Internal electrications  10.3 Impulse withstand voltage  10.4 Esting of enclosures made of insulating material  10.5 Internal publider's responsibility.  10.6 Internal publider's responsibility.  10.7 Internal electric strength  10.8 Connections for external conductors  10.9 Internal electrical circuit strating  10.1 Short-circuit rating  10.1 Short-circuit rating  10.1 Short-circuit rating  10.1.1 Short-circuit rating  10.1.2 Electromagnetic compatibility  10.1.3 Mechanical function  10.1.3 Mechanical function		0 W
10.2.2 Corrosion resistance  10.2.3.1 Verification of thermal stability of enclosures  10.2.3.2 Verification of thermal stability of enclosures  10.2.3.3 Resist. of insul. mat. to abnormal heat/fire by internal elect. effects  10.2.4 Resistance to ultra-violet (UV) radiation  10.2.5 Lifting  10.2.6 Mechanical impact  10.2.6 Mechanical impact  10.2.7 Internal electric shock  10.8 Incorporation of switching devices and components  10.9 Protection against electric ilcruits and connections  10.7 Internal electrical circuits and connections  10.9 Power-frequency electric strength  10.9.2 Power-frequency electric strength  10.9.3 Inpulse withstand voltage  10.10 Temperature rise  10.11 Short-circuit rating  10.12 Electromagnetic compatibility  10.13 Mechanical function  10.14 Mechanical function  10.15 Protection against electric shock  10.2 Internal electrical circuits and connections  10.3 Internal electrical circuits and connections  10.4 Clearances and creepage distances  10.5 Protection against electric shock  10.6 Incorporation of switching devices and components  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  10.10 Temperature rise  10.10 Temperature rise  10.11 Short-circuit rating  10.12 Electromagnetic compatibility  10.13 Hechanical function  10.13 Mechanical function  10.14 Mechanical function  10.15 Mechanical function  10.15 Mechanical function  10.16 Meets the product standard's requirements.  10.17 Meets a requirements.  10.18 Meets the product standard's requirements.  10.19 Meets the product standard's requirements.  10.10 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
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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  10.24 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  10.5 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.  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.  10.11 Short-circuit rating  10.12 Electromagnetic compatibility  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  10.5 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  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.  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  Is the panel builder's responsibility. The specifications for the switchgear must be observed.	10.2.3.2 Verification of resistance of insulating materials to normal heat	Meets the product standard's requirements.
10.2.5 Lifting  Does not apply, since the entire switchgear needs to be evaluated.  10.2.6 Mechanical impact  Does not apply, since the entire switchgear needs to be evaluated.  10.2.7 Inscriptions  Meets the product standard's requirements.  Does not apply, since the entire switchgear needs to be evaluated.  10.4 Clearances and creepage distances  Meets the product standard's requirements.  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  Is the panel builder's responsibility.  10.8 Connections for external conductors  Is the panel builder's responsibility.  10.9.2 Power-frequency electric strength  Is the panel builder's responsibility.  10.9.3 Impulse withstand voltage  Is the panel builder's responsibility.  10.9.4 Testing of enclosures made of insulating material  10.10 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	10.2.3.3 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  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  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.  10.9.3 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	10.2.5 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  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 Internal electrical circuits are 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 Mechanical function  10.16 Meets the product standard's requirements.  Meets the product standard's requirements.  10.0 Does not apply, since the entire switchgear needs to be evaluated.  10.10 Poes not apply, since the entire switchgear needs to be evaluated.  10.10 Is the panel builder's responsibility.  10.11 Short-circuit rating  10.12 Electromagnetic compatibility  10.13 Mechanical function  10.14 Meets the product standard's requirements.  10.15 Meets the entire switchgear needs to be evaluated.  10.16 Power needs to be evaluated.  10.17 Internal electric switchgear needs to be evaluated.  10.18 Meets the product standard's requirements.  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 Meets the product standard's requirements.  10.15 Meets the entire switchgear needs to be evaluated.  10.16 Poes not apply, since the entire switchgear needs to be evaluated.  10.17 Internal electric switchgear needs to be evaluated.  10.18 Poes not apply, since the entire switchgear needs to be evaluated.  10.19 Legen switchgear needs to be eval	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.  In the panel bu	10.2.7 Inscriptions	Meets the product standard's requirements.
Does not apply, since the entire switchgear needs to be evaluated.  10.6 Incorporation of switching devices and components  10.7 Internal electrical circuits and connections  10.8 Connections for external conductors  10.9.2 Power-frequency electric strength  10.9.3 Impulse withstand voltage  10.9.4 Testing of enclosures made of insulating material  10.10 Temperature rise  10.11 Short-circuit rating  10.12 Electromagnetic compatibility  10.13 Mechanical function  10.13 Mechanical function  Does not apply, since the entire switchgear needs to be evaluated.  10.15 Is the panel builder's responsibility.  11.16 Is the panel builder's responsibility.  12.17 Is the panel builder's responsibility.  13.18 Is the panel builder's responsibility.  14.19 Is the panel builder's responsibility.  15.10 Is the panel builder's responsibility.  16.11 Short-circuit rating  17.12 Electromagnetic compatibility  18.14 Is the panel builder's responsibility. The specifications for the switchgear must be observed.  19.15 Is the panel builder's responsibility. The specifications for the switchgear must be observed.  10.16 Is the panel builder's responsibility. The specifications for the switchgear must be observed.  10.17 Internal electric switchgear needs to be evaluated.  10.18 Is the panel builder's responsibility.	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  1.8 the panel builder's responsibility.  10.8 Connections for external conductors  1.9 2 Power-frequency electric strength  1.9 3 Impulse withstand voltage  1.9 4 Testing of enclosures made of insulating material  1.0 1.0 Temperature rise  1.0 1.1 Short-circuit rating  1.0 1.1 Short-circuit rating  1.0 1.2 Electromagnetic compatibility  1.1 2 Electromagnetic compatibility  1.1 3 Mechanical function  1.2 4 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  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  10.9.3 Impulse withstand voltage  1s the panel builder's responsibility.  10.9.4 Testing of enclosures made of insulating material  1s the panel builder's responsibility.  10.10 Temperature rise  10.11 Short-circuit rating  1s the panel builder's responsibility. The specifications for the switchgear must be observed.  10.12 Electromagnetic compatibility  1s the panel builder's responsibility. The specifications for the switchgear must be observed.  10.13 Mechanical function  The device meets the requirements, provided the information in the instruction	10.5 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  10.10 Temperature rise  Not applicable.  10.11 Short-circuit rating  10.12 Electromagnetic compatibility  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	10.7 Internal electrical circuits and connections	Is the panel builder's responsibility.
10.9.3 Impulse withstand voltage  10.9.4 Testing of enclosures made of insulating material  10.10 Temperature rise  10.11 Short-circuit rating  10.12 Electromagnetic compatibility  10.13 Mechanical function  Is the panel builder's responsibility. The 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  10.11 Short-circuit rating  1s the panel builder's responsibility. The specifications for the switchgear must be observed.  10.12 Electromagnetic compatibility  1s the panel builder's responsibility. The specifications for the switchgear must be observed.  10.13 Mechanical function  The device meets the requirements, provided the information in the instruction	10.9.3 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	
	10.12 Electromagnetic compatibility	
	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])

Type of control element			Toggle
Suitable for illumination			Yes
Colour control element			Black
Colour indicator light cap			Green
Construction type lens			Square
Hole diameter	m	nm	16
Width opening	n	nm	0
Height opening	m	nm	0
Switching function latching			Yes
Spring-return			No
With front ring			No
Material front ring			Plastic
Colour front ring			Black
Degree of protection (IP), front side			IP65
Degree of protection (NEMA)			1