



#### **Delivery program**

Product range	RMQ16
Basic function	Pushbutton actuators
Single unit/Complete unit	Single unit
Design	Flat
	momentary
Button plate	
button plate	green
Button plate	
	inscribed
Degree of Protection	IP65
Front ring	without bezel
Connection to SmartWire-DT	no
Front dimensions	18 x 18

#### Technical data General

#### IEC/EN 60947, VDE 0660 Standards Operations > 3 Lifespan, mechanical x 10<sup>6</sup> Operating frequency Operations/h ≦ 3600 $\leq_4$ Actuating force n IP65 Degree of protection, IEC/EN 60529 Climatic proofing Damp heat, constant, to IEC 60068-2-78 Damp heat, cyclic, to IEC 60068-2-30 Ambient temperature Open °C -25 - +60 - 25 - 40 Enclosed °C Mounting position As required Mechanical shock resistance > 40 g according to IEC 60068-2-27 Shock duration 11 ms Sinusoidal

# **Design verification as per IEC/EN 61439**

Technical data for design verification			
Rated operational current for specified heat dissipation	I <sub>n</sub>	А	0
Heat dissipation per pole, current-dependent	P <sub>vid</sub>	W	0
Equipment heat dissipation, current-dependent	P <sub>vid</sub>	W	0
Static heat dissipation, non-current-dependent	P <sub>vs</sub>	W	0
Heat dissipation capacity	P <sub>diss</sub>	W	0
Operating ambient temperature min.		°C	-25
Operating ambient temperature max.		°C	60
IEC/EN 61439 design verification			
10.2 Strength of materials and parts			
10.2.2 Corrosion resistance			Meets the product standard's requirements.

1023.1 Verification of thermal stability of enclosures   Meets the product standard's requirements.     102.3.2 Verification of resistance of insulating materials to normal heat   Meets the product standard's requirements.     102.3.3 Verification of resistance of insulating materials to abnormal heat   Meets the product standard's requirements.     102.4 Resistance to ultra-violet (UV) radiation   Meets the product standard's requirements.     102.5 Lifting   Dees not apply, since the entire switchgear needs to be evaluated.     102.7 Inscriptions   Dees not apply, since the entire switchgear needs to be evaluated.     103.2 Barger of protection of ASSEMBLIES   Dees not apply, since the entire switchgear needs to be evaluated.     103.6 Incorporation of switching devices and components   Dees not apply, since the entire switchgear needs to be evaluated.     103.2 Power-frequency electric strength   Iste panel builder's responsibility.     103.8 Incorporation of switching devices and components   Iste panel builder's responsibility.     103.9 Incorporation of switching devices and components   Iste panel builder's responsibility.     103.8 Incorporation of switching devices and components   Iste panel builder's responsibility.     103.9 Incorporation of switching material   Iste panel builder's responsibility.     103.8 Incorporation of exitemand conductors   Iste panel builder's responsibility.		
10.2.3.3 Verification of resistance of insulating materials to abnormal hear   Meets the product standard's requirements.     10.2.4 Resistance to ultra-violet (UV) radiation   Please enquire     10.2.5 Lifting   Dees not apply, since the entire switchgear needs to be evaluated.     10.2.6 Mechanical impact   Dees 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   Dees not apply, since the entire switchgear needs to be evaluated.     10.4 Clearances and creepage distances   Dees not apply, since the entire switchgear needs to be evaluated.     10.5 Protection against electric shock   Dees not apply, since the entire switchgear needs to be evaluated.     10.8 Incorporation of switching devices and components   Dees not apply, since the entire switchgear needs to be evaluated.     10.8 Connections for external conductors   Is the panel builder's responsibility.     10.9 Insulation properties   Is the panel builder's responsibility.     10.9 Subjective attract strength   Is the panel builder's responsibility.     10.9 Temperature rise   Is the panel builder's responsibility.     10.9 Temperature rise   Is the panel builder's responsibility.     10.9 Temperature rise   Is the panel builder's responsibility.     10.9 Temperature	10.2.3.1 Verification of thermal stability of enclosures	Meets the product standard's requirements.
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10.9 Insulation properties   Image: state of the second state	10.7 Internal electrical circuits and connections	Is the panel builder's responsibility.
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10.12 Electromagnetic compatibility   Is the panel builder's responsibility. The specifications for the switchgear must be observed.     10.13 Mechanical function   Image: Compatibility observed.	10.10 Temperature rise	Not applicable.
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 6.0**

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

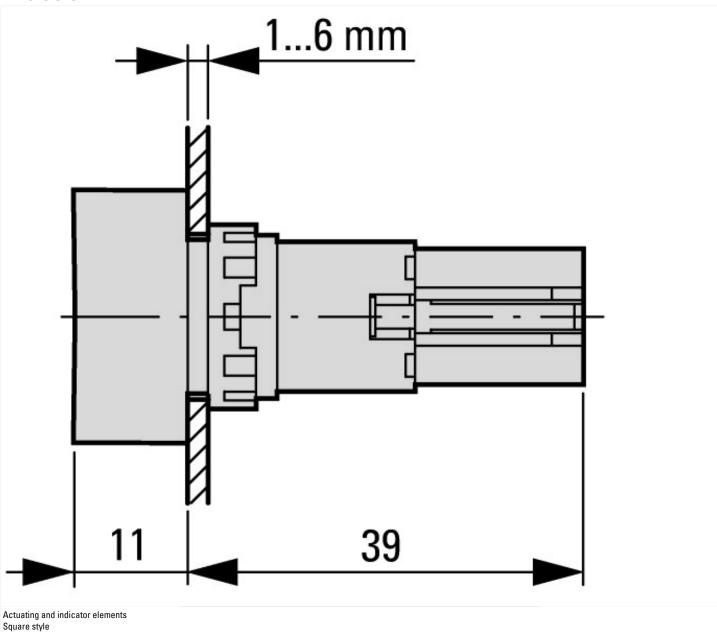
Electric engineering, automation, process control engineering / Low-voltage switch technology / Command and alarm device / Front element for push-button actuators (ecl@ss8.1-27-37-12-10 [AKF028011])

Number of command positions     Image: Big in the second			
Construction type lens     Gename     Square       Hole diameter     mm     16       Vidth opening     mm     0       Height meter opening     mm     0       Degree of protection (IP), front side     mm     16       Type of button     Mm     16       Svitable for illumination     Mm     16       Vidth opening     Mm     16       Svitching function latching     Mm     16       Spring-return     Mm     16       With front ring     Mm     16       Mit front ring     Mm     16       Metrial front ring     Mm     16	Colour button		Green
Able diameter     Mmm     Fill       Width opening     mm     0       Height meter opening     mm     0       Degree of protection (IP), front side     mm     165       Type of button     Fill     Fill       Suitable for illumination     Fill     Fill       Vith protection cover     Fill     Sold       Labeled     Fill     Sold       Svitching function latching     Fill     Sold       Spring-return     Fill     Sold       With front ring     Fill     Fill       Muterial flort ring     Fill     Fill	Number of command positions		1
With openingImmImmHeight meter openingmm0Degree of protection (IP), front sideMmIP65Type of buttonFatFatSuitable for illuminationMmNoWith protection coverMmNoLabeledSwitching function latchingMmSpring-returnMmMmWith front ringMmMmMetrial ffort ringMmMmMetrial ffort ringMmMmMetrial ffort ringMmMmMetrial ffort ringMmMmMaterial ffort ringMmMmMater	Construction type lens		Square
Height meter openingmm0Degree of protection (IP), front sideGIP65Type of buttonIMFlatSuitable for illuminationIMIMWith protection coverIMIMLabelledIMIMSwitching function latchingIMIMSpring-returnIMIMWith front ringIMIMMaterial front ringIMIMImage: Spring-returnImage: Spring-returnImage: Spring-returnMaterial front ringImage: Spring-returnImage: Spring-return <td>Hole diameter</td> <td>mm</td> <td>16</td>	Hole diameter	mm	16
Degree of protection (IP), front sideP65Type of buttonFlatSuitable for illuminationICONoWith protection coverICONoLabelledYesSwitching function latchingICONoSpring-returnYesWith front ringICOYesMaterial front ringICOPlastic	Width opening	mm	0
Type of buttonFiltSuitable for illuminationNoWith protection coverNoLabelledYesSwitching function latchingImage: Section of the	Height meter opening	mm	0
Suitable for illuminationNoWith protection coverNoLabelledYesSwitching function latchingYesSpring-returnYesWith front ringYesMaterial front ring	Degree of protection (IP), front side		IP65
With protection coverNoLabelledYesSwitching function latchingYesSpring-returnYesWith front ringYesMaterial front ringYesPlasticPlastic	Type of button		Flat
LabelledYesSwitching function latchingNoSpring-returnYesWith front ringYesMaterial front ringYesPlasticPlastic	Suitable for illumination		No
Switching function latching Mo   Spring-return Ves   With front ring Ves   Material front ring Mo	With protection cover		No
Spring-return Yes   With front ring Yes   Material front ring Yes	Labelled		Yes
With front ring Yes   Material front ring Plastic	Switching function latching		No
Material front ring Plastic	Spring-return		Yes
	With front ring		Yes
Colour front ring Black	Material front ring		Plastic
	Colour front ring		Black

### **Approvals**

Product Standards	IEC/EN 60947-5; UL 508; CSA-C22.2 No. 14-05; CE marking
UL File No.	E29184
UL Category Control No.	NKCR
CSA File No.	46552
CSA Class No.	3211-03
North America Certification	UL listed, CSA certified
Degree of Protection	UL/CSA Type 1





# Additional product information (links)

#### IL04716016Z (AWA1160-1429) Mounting of components

IL04716016Z (AWA1160-1429) Mounting of components

ftp://ftp.moeller.net/DOCUMENTATION/AWA\_INSTRUCTIONS/IL04716016Z2011\_03.pdf