

## Stop/halt pushbutton, black, with green shaft

Powering Business Worldwide\*

Part no. M22SG-PVT Article no. 150649 Catalog No. M22SG-PVTQ

**Delivery program** 

Product range			RMQ-Titan
Basic function			STOP pushbuttons Emergency stop pushbuttons
Single unit/Complete unit			Single unit
Design			Mushroom-shaped
Diameter	Ø	mm	38
Illumination			Non-illuminated
			Turn-to-release function
Colour			
Mushroom head			Black
Base			green
RAL Value			RAL 9006, green guide
Degree of Protection			IP67, IP69K IEC/EN 60529
Connection to SmartWire-DT			Yes, with SWD-RMQ connections
Actuator travel and actuation force as per DIN EN 60947-5-1, K.5.4.1			
Minimum force for positive opening	N		0

### **Technical data**

General

General			
Standards			IEC/EN 60947 VDE 0660
Lifespan, mechanical	Operations	x 10 <sup>6</sup>	> 0.1
Operating frequency	Operations/h		≦ <sub>600</sub>
Actuating force		n	≦ <sub>50</sub>
Climatic proofing			Damp heat, constant, to IEC 60068-2-78 Damp heat, cyclic, to IEC 60068-2-30
Ambient temperature			
Open		°C	-25 - +70
Mounting position			As required
Mechanical shock resistance		g	50 Shock duration 11 ms Sinusoidal according to IEC 60068-2-27

# Design verification as per IEC/EN 61439

Technical data for design verification			
Rated operational current for specified heat dissipation	In	Α	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	70
IEC/EN 61439 design verification		
10.2 Strength of materials and parts		
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 Verification of resistance of insulating materials to abnormal heat and fire due to internal electric effects $$		Meets the product standard's requirements.
10.2.4 Resistance to ultra-violet (UV) radiation		Please enquire
10.2.5 Lifting		Does not apply, since the entire switchgear needs to be evaluated.
10.2.6 Mechanical impact		Does not apply, since the entire switchgear needs to be evaluated.
10.2.7 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 Insulation properties		
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.
10.13 Mechanical function		The device meets the requirements, provided the information in the instruction leaflet (IL) is observed.

## **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])

Color buttonRelNumber of command positions11Construction type lensRound2Hole diametermm2Width openingmm0Height meter openingmm0Degree of protection (IP), front sidemm1P65Suitable for illuminationMmNoWith protection coverNoNoSuitable for illuminationNoNoSwitching function latchingNoNoSwitching function latchingNoNoWith front ringNoNoMaterial front ringNoNoMaterial front ringNoNoSolur front ringNoNoMaterial front ringNoNoSolur front ringNoNoSolur front ringNoNoMaterial front ringNoNoSolur front ringNoNo<	[AKF028011])		
Construction type lens  Hole diameter  Mrm 22  Width opening mrm 0  Height meter opening mrm 0  Degree of protection (IP), front side mrm 0  Type of button  Suitable for illumination Writer occore  With protection cover  Labelled  Switching function latching  Switching function latching  Spring-return  With front ring  Material front ring  Mat	Colour button		Red
Hole diameter Width opening Midth opening Mi	Number of command positions		1
Width openingmm0Height meter openingmm0Degree of protection (IP), front sideIP65Type of buttonIP65Suitable for illuminationIP65With protection coverIP65LabelledNoSwitching function latchingIP65Spring-returnIP65With front ringIP65Maerial front ringIP65Maerial front ringIP65Plastic	Construction type lens		Round
Height meter opening mm 0 Degree of protection (IP), front side IP65 Type of button Suitable for illumination No With protection cover No Labelled No Switching function latching Yes Spring-return Vith front ring No Material front ring Plastic	Hole diameter	mm	22
Degree of protection (IP), front side  Type of button  Suitable for illumination  With protection cover  Labelled  Switching function latching  Spring-return  With front ring  Material front ring  Material front ring  IP65  - Carcal Control  No  No  No  No  No  Yes  No  Yes  Plastic	Width opening	mm	0
Type of button  Suitable for illumination  With protection cover Labelled  Switching function latching  Spring-return  With front ring  Material front ring  Aleen and	Height meter opening	mm	0
Suitable for illumination  Suitable for illumination  With protection cover  Labelled  Switching function latching  Spring-return  With front ring  Material front ring  Material front ring  No  No  No  No  No  No  No  No  No  N	Degree of protection (IP), front side		IP65
With protection coverNoLabelledNoSwitching function latchingYesSpring-returnNoWith front ringYesMaterial front ringYesPlastic	Type of button		
LabelledNoSwitching function latchingYesSpring-returnNoWith front ringYesMaterial front ringYesPlastic	Suitable for illumination		No
Switching function latching Spring-return With front ring Material front ring  Switching function latching Yes No Yes Plastic	With protection cover		No
Spring-return No With front ring Yes Material front ring Plastic	Labelled		No
With front ring  Material front ring  Plastic	Switching function latching		Yes
Material front ring Plastic	Spring-return Spring-return		No
	With front ring		Yes
Colour front ring Yellow	Material front ring		Plastic
	Colour front ring		Yellow

# **Approvals**

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Product Standards	IEC/EN 60947-5; UL 508; CSA-C22.2 No. 14-05; CSA-C22.2 No. 94-91; CE marking
UL File No.	E29184
UL Category Control No.	NKCR
CSA File No.	012528
CSA Class No.	3211-03

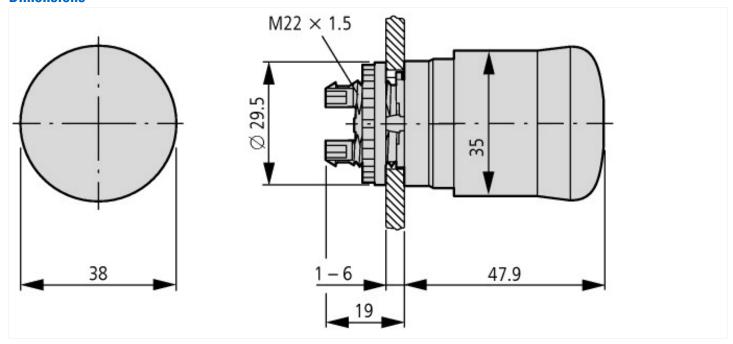
North America Certification

Degree of Protection

UL listed, CSA certified

UL/CSA Type 3R, 4X, 12, 13

### **Dimensions**



## **Additional product information (links)**

IL04716002Z (AWA1160-1745) RMQ-Titan System

IL04716002Z (AWA1160-1745) RMQ-Titan System ftp://ftp.moeller.net/DOCUMENTATION/AWA\_INSTRUCTIONS/IL04716002Z2016\_09.pdf