### **DATASHEET - M22-DL-W-K10LED-BVP**



## Illuminated pushbutton actuators, complete device

Powering Business Worldwide

M22-DL-W-K10LED-BVP Part no. Catalog No. 110931

Alternate Catalog

M22-DL-W-K10LED-BVPQ

**EL-Nummer** 4356254

(Norway)

#### **Delivery program**

Product range		RMQ-Titan
Description		Blister pack for hanging. Complete practical solution. Can be ordered using a single article no.
Connection to SmartWire-DT		no
Equipment supplied		
1 1 1 1	Illuminated pushbutton actuator mounting clamp LED element contact element	M22-DL-W M22-A M22-LED-W M22-K10

# **Technical data**

#### General

Ambient temperature				
Open	0	С	-25 - +70	
shipping classification			DNV GL LR	
			<b>PINV</b> Germanischer Lloyd	Lloyd's Register

# Design verification as per IEC/EN 61439

Technical data for design verification			
Rated operational current for specified heat dissipation	In	Α	6
Heat dissipation per pole, current-dependent	P <sub>vid</sub>	W	0.11
Equipment heat dissipation, current-dependent	P <sub>vid</sub>	W	0
Static heat dissipation, non-current-dependent	$P_{vs}$	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	The panel builder is responsible for the temperature rise calculation. Eaton will provide heat dissipation data for the devices.
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 7.0**

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@ss10.0.1-27-37-12-10 [AKF028014])

Colour button         Minite           Number of command positions         1           Construction type lens         Round           Hole diameter         mm         22           Width opening         mm         0           Height opening         mm         0           Type of button         pm         1           Suitable for illumination         pm         1           With protective cover         pm         No           Labelled         No         No           Switching function latching         pm         No           Syring-return         pes         Yes           With front ring         pes         Yes           Material front ring         plastic           Clour front ring         plastic         Chrome           Degree of protection (IP), front side         ple67           Degree of protection (NEMA), front side         ple7         4X	(ect@ss10.0.1-27-37-12-10 [ANF028014])		
Construction type lens         Round           Hole diameter         mm         22           Width opening         mm         0           Height opening         mm         0           Type of button         Flat           Suitable for illumination         Yes           With protective cover         No           Labelled         No           Switching function latching         No           Spring-return         Yes           With front ring         Yes           Material front ring         Plastic           Colour front ring         Plastic           Colour front ring         Chrome           Degree of protection (IP), front side         IP67	Colour button		White
Hole diameter mm 22 Width opening mm 0 Height opening mm 0 Type of button Flat Suitable for illumination Yes With protective cover No Labelled No Switching function latching No Spring-return Yes With front ring Yes Material front ring Plastic Colour front ring Perse of protection (IP), front side Pinaton Perse No Degree of protection (IP), front side Pinaton Perse No Degree of protection (IP), front side Pinaton Perse No Degree of protection (IP), front side Pinaton Perse No Degree of protection (IP), front side Pinaton Perse No Degree of protection (IP), front side Pinaton Perse No Degree of protection (IP), front side Pinaton Perse No Degree of protection (IP), front side Pinaton Perse No Degree of protection (IP), front side Pinaton Perse No Degree No Degree Of Pinaton Perse No Degree No Degr	Number of command positions		1
Width opening mm 0 Height opening mm 0 Type of button Flat Suitable for illumination Yes With protective cover No Labelled No Switching function latching No Spring-return Yes With front ring Yes Material front ring Plastic Colour front ring Chrome Degree of protection (IP), front side	Construction type lens		Round
Height opening mm 0 Type of button Flat Suitable for illumination Yes With protective cover Labelled No Switching function latching No Spring-return Yes With front ring Yes Material front ring Plastic Colour front ring Degree of protection (IP), front side mm 0 Flat Flat Flat Yes No No Plastic Chrome Degree of protection (IP), front side	Hole diameter	mm	22
Type of button Suitable for illumination Yes With protective cover No Labelled No Switching function latching No Spring-return Yes With front ring With front ring Colour front ring Degree of protection (IP), front side  Flat  Fl	Width opening	mm	0
Suitable for illumination  With protective cover  Labelled  No  Switching function latching  No  Spring-return  With front ring  Material front ring  Colour front ring  Degree of protection (IP), front side  Yes  No  Yes  Yes  Yes  Yes  Plastic  Chrome  IP67	Height opening	mm	0
With protective cover  Labelled  No Switching function latching  No Spring-return  With front ring  Material front ring  Colour front ring  Degree of protection (IP), front side  No No No Plastic Colour front ring  IP67	Type of button		Flat
Labelled No Switching function latching No Spring-return Yes With front ring Yes Material front ring Plastic Colour front ring Chrome Degree of protection (IP), front side IP67	Suitable for illumination		Yes
Switching function latching  No Spring-return  Yes  With front ring  Material front ring  Colour front ring  Degree of protection (IP), front side  No Yes  Yes  Yes  Yes  Chrome  IP67	With protective cover		No
Spring-return  Yes  With front ring  Yes  Material front ring  Plastic  Colour front ring  Chrome  Degree of protection (IP), front side  Pes	Labelled		No
With front ring Yes  Material front ring Plastic Colour front ring Chrome Degree of protection (IP), front side Plastic IP67	Switching function latching		No
Material front ring Plastic Colour front ring Chrome Degree of protection (IP), front side IP67	Spring-return		Yes
Colour front ring Chrome Degree of protection (IP), front side IP67	With front ring		Yes
Degree of protection (IP), front side	Material front ring		Plastic
	Colour front ring		Chrome
Degree of protection (NEMA), front side 4X	Degree of protection (IP), front side		IP67
	Degree of protection (NEMA), front side		4X

#### **Assets (links)**

**Declaration of CE Conformity** 

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