



LED element, for combination with RMQ-Titan operating elements M22-..., Front fixing green



Part no. **M22-SWD-LED-G**
 Catalog No. **115968**
 Alternate Catalog No. **M22-SWD-LED-GQ**
 EL-Nummer (Norway) **4355004**

Delivery program

Basic function accessories			LED elements						
Function			for combination with RMQ-Titan operating elements M22-...						
Fixing			Front fixing						
Configuration			<table border="1" style="display: inline-table;"> <tr> <td>1</td> <td>3</td> <td>2</td> </tr> <tr> <td>4</td> <td>6</td> <td>5</td> </tr> </table>	1	3	2	4	6	5
1	3	2							
4	6	5							
Colour			green						
Connection to SmartWire-DT			yes						

Technical data

General		
Standards		IEC/EN 61131-2 EN 50178
Approvals		BV LRS
shipping classification		
Dimensions (W x H x D)	mm	10 x 42 x 45
Weight	g	10
Mounting position		As required

Ambient conditions, mechanical

Protection type (IEC/EN 60529, EN50178, VBG 4)			IP20
Vibrations (IEC/EN 61131-2:2008)			
Constant amplitude 3,5 mm	Hz		5 - 8.4
Constant acceleration 1 g	Hz		8.4 - 150
Mechanical shock resistance (IEC/EN 60068-2-27) semi-sinusoidal 15 g/11 ms	Impacts		9
Drop to IEC/EN 60068-2-31	Drop height	mm	50
Free fall, packaged (IEC/EN 60068-2-32)		m	0.3

Electromagnetic compatibility (EMC)

Overvoltage category			Not applicable
Pollution degree			2
Electrostatic discharge (IEC/EN 61131-2:2008)			
Air discharge (Level 3)		kV	8

Contact discharge (Level 2)	kV	4
Electromagnetic fields (IEC/EN 61131-2:2008)		
80 - 1000 MHz	V/m	10
1.4 - 2 GHz	V/m	3
2 - 2.7 GHz	V/m	1
Radio interference suppression (SmartWire-DT)		EN 55011 Class A
Burst (IEC/EN 61131-2:2008, Level 3)		
Supply cable	kV	2
SmartWire-DT cable	kV	1
Radiated RFI (IEC/EN 61131-2:2008, Level 3)	V	10

Climatic environmental conditions

Ambient temperature		
Operating ambient temperature (IEC 60068-2)	°C	-30 - +70
Storage	°C	- 40 - + 80
Relative humidity		
Condensation		Take appropriate measures to prevent condensation
Relative humidity, non-condensing (IEC/EN 60068-2-30)	%	9 - 95

SmartWire-DT network

Station type		SmartWire-DT slave
Status indication		Green LED
Connections		Plug, 8-pole
Plug connector		SWD4-8SF2-5

Functions

Switching state display	LED	Yes
Diagnostics		No
Fixing		Front fixing

Design verification as per IEC/EN 61439

Technical data for design verification			
Rated operational current for specified heat dissipation	I_n	A	0
Heat dissipation per pole, current-dependent	P_{vid}	W	0
Equipment heat dissipation, current-dependent	P_{vid}	W	0
Static heat dissipation, non-current-dependent	P_{vs}	W	0.3
Heat dissipation capacity	P_{diss}	W	0
Operating ambient temperature min.		°C	-30
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			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.
10.8 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) / Lamp holder block for control circuit devices (EC000204)

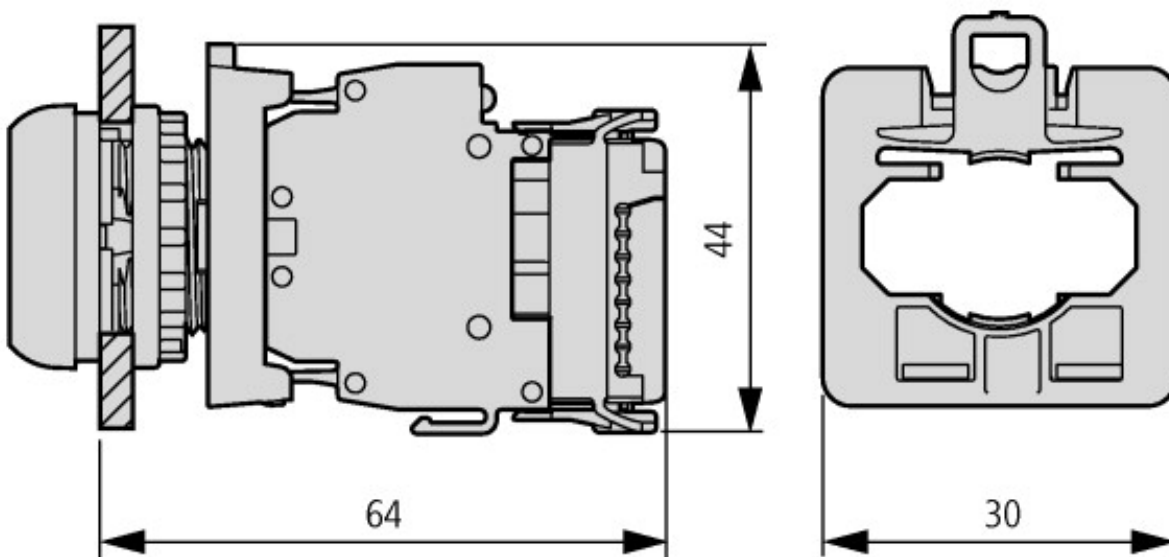
Electric engineering, automation, process control engineering / Low-voltage switch technology / Command and alarm device / Bulb socket block for command and alarm devices (ecl@ss10.0.1-27-37-12-09 [AKF027014])

Transformer integrated			No
With integrated voltage decreasing resistor			No
With light source			Yes
With integrated diode			No
Lamp holder			None
Rated voltage Ue at AC 50 Hz		V	0 - 0
Rated voltage Ue at AC 60 Hz		V	0 - 0
Rated voltage Ue at DC		V	30 - 30
Voltage type for actuating			DC
Lamp type			LED
Connection type auxiliary circuit			Flat plug-in connection
Colour lamp			Green
Type of fastening			Front fastening

Approvals

UL File No.		E29184
UL Category Control No.		NKCR
CSA File No.		2324643
CSA Class No.		3211-07
North America Certification		UL listed, CSA certified
Specially designed for North America		No

Dimensions



Pushbutton with function element