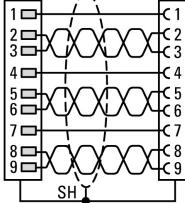




## Front element, chrome, +USB 3.0

Part no.	M22-USB
Catalog No.	147539
Alternate Catalog No.	M22-USB
EL-Nummer (Norway)	0004315260

## Delivery program

Accessories	General accessories	
Basic function accessories	Bulkhead interface, RJ45 socket	
Degree of Protection	IP65 (with closed cover) IP20 (with plug connected)	
Front ring	Bezel: titanium	
Connection to SmartWire-DT	no	
For use with	Front mounting	
Terminal diagram / contact assignment		
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

## Technical data

Nominal voltage	U <sub>L</sub>	AC/DC 5V
Voltage range		Max. 30 V
Rated current	mA	900
Number of poles		9
Baud rate	kBd	Max. 5 Gbit/s
Class / category		3.0
Contact type art		1 : 1
Screen earth kit		yes

## General

Design		USB 3.0 A
Insulation resistance	R <sub>ISO</sub>	MΩ > 100
Volume resistance		< 30 mΩ
Contact material		CuSn, gold-plated
Mounting		Front panel cutout d = 22.5 mm
Mounting depth:	mm	max. 27 (nicht gesteckt), entspricht ca. 100 mit Kabel gesteckt (Kabel nicht im Lieferumfang)
Ambient temperature		-20 - +70
Storage	°C	-25 - +80
Lifespan, mechanical	Operations	> 100 insertion cycles
Weight	kg/piece	0.009

## Design verification as per IEC/EN 61439

Technical data for design verification		
Heat dissipation capacity	P <sub>diss</sub>	W 0
Operating ambient temperature min.	°C	-20
Operating ambient temperature max.	°C	70

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.

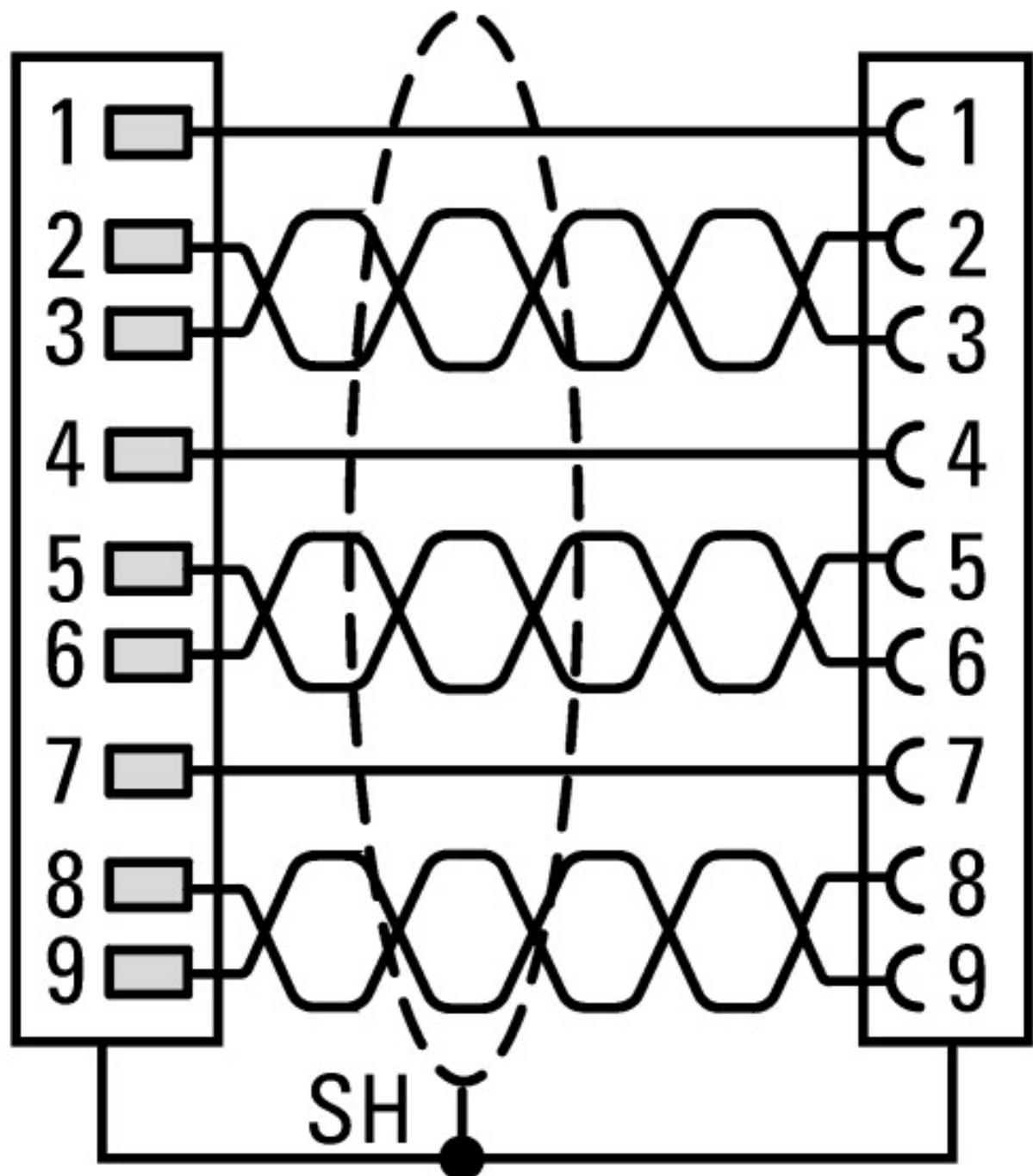
## Technical data ETIM 7.0

Low-voltage industrial components (EG000017) / Accessories for control circuit devices (EC002024)

Type of electrical accessory	Other
Type of mechanical accessory	Other

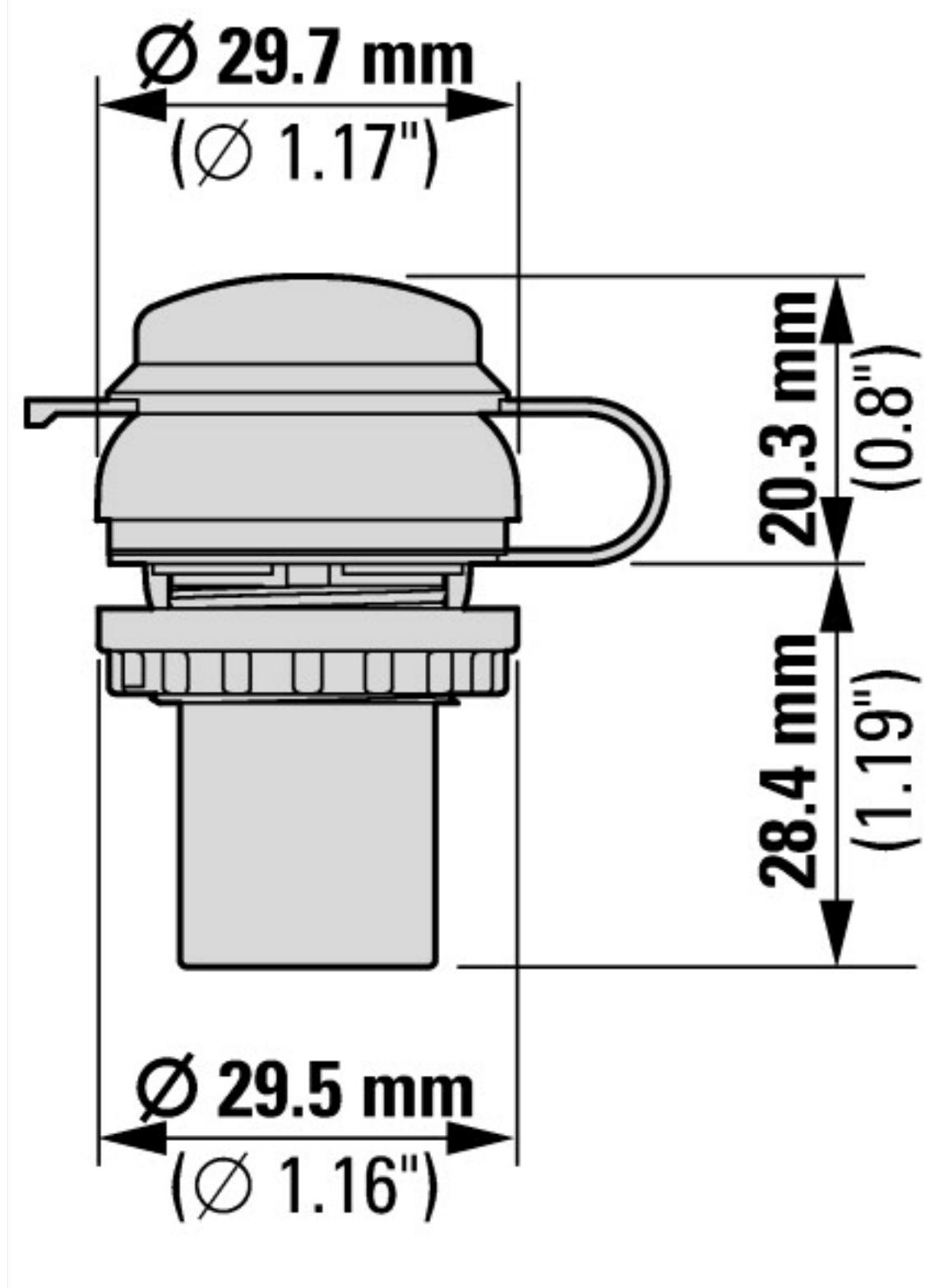
## Approvals

Product Standards	UL 508; CSA-C22.2 No. 142; IEC/EN 6113-2; CE marking
UL File No.	E330994
UL Category Control No.	DUXR, DUXR7
CSA File No.	UL report applies to both US and Canada
CSA Class No.	-
North America Certification	UL listed, certified by UL for use in Canada
Degree of Protection	IEC: IP65 and UL/CSA NEMA Type 12 when closed, IP20 when connected



SH: Schirmung

## Dimensions



## Assets (links)

[Declaration of CE Conformity](#)

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