### **DATASHEET - M12B5**



Terminal socket, 5p, M12, B coded

Part no. M12B5 Catalog No. 272203 Alternate Catalog - Powering Business Worldwide\*

**Delivery program** 

- control / programm			
Basic function			Accessories
Degree of Protection			IP66
Range			Plug connector M12x 1
Material			Moulded material
Number of poles			5 pole
For use with			LSM
Rated operational voltage	U <sub>e</sub>	V AC	125
Conventional thermal current	I <sub>th</sub>	Α	1
Fuse		A gG/gL	4
Notes			"B"-coded

## Technical data

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Pole			5
Degree of Protection			IP66
Lifespan, mechanical	Operations		> 500
Characteristics			
Rated operational voltage	U <sub>e</sub>	V AC	125
Rated operational current	I <sub>e</sub>	Α	4
Overvoltage category/pollution degree			11/3

# 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	-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			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**

Sensors (EG000026) / Accessories for position switches (EC002594)

Electric engineering, automation, process control engineering / Binary sensor technology, safety-related sensor technology / Position switch / Position switch (accessories) (ecl@ss10.0.1-27-27-06-92 [AFR520003])

Type of accessory Other

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

**Declaration of CE Conformity** 

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