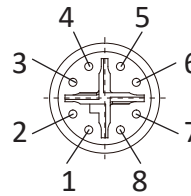


ARTICLE PROPERTIES

<b>ARTICLE NUMBER</b>	E20XB8*MXXX
<b>SHAPE TYPE 1</b>	Female, M12, straight
<b>SHAPE TYPE 2</b>	single-ended
<b>NUMBER OF PINS</b>	8
<b>INTERFACE TYPE</b>	X



MECHANICAL DATA

<b>LOCKING</b>	union nut, SW13
<b>MATERIAL LOCKING</b>	brass zine nickel plating
<b>TIGHTENING TORQUE</b>	0,6 Nm
<b>LOCKING</b>	
<b>MATERIAL GRIP</b>	PUR
<b>SYSTEM</b>	moulded
<b>WIRES</b>	4 x 2 twisted pairs

ELECTRICAL DATA

<b>OPERATING VOLTAGE</b>	60 V DC
<b>RATED CURRENT</b>	0,5 A
<b>OPTICAL SHIELD COVER</b>	≥ 85 %
<b>SHIELDING</b>	shielded
<b>TIA/EIA GRADE</b>	Ethernet CAT 6a
<b>TRANSFER RATE</b>	1000 Mbit/s

ENVIRONMENTAL CONDITIONS

<b>PROTECTION CLASS</b>	IP67 inserted and tightened
<b>AMBIENT TEMPERATURE</b>	-30 ... 90 °C

SUPPORT



APPROVALS



GENERAL CABLE PROPERTIES

**THERMAL RESISTANCE (ONLY FOR PUR PRODUCT)** according to UL FT2

**PROTECTION CLASS** according to IEC 60529 or ISO 20653, only when screwed together with the corresponding counterpart

CABLE LENGTHS X


All cable lengths are available on request. **EXAMPLE:**  
 cable lengths 0,5 m -> E20XB8\*M005  
 cable lengths 10 m -> E20XB8\*M100

TOLERANCE CABLE LENGTHS

0 m < X ≤ 1,0 m +0,05 m  
 1,0 m < X ≤ 5,0 m +0,1 m  
 5,0 m < X +0,15 m

CABLE VARIANTS AND ASSIGNMENT OF WIRE INSULATION COLOR

Article number cable /*	material jacket	color jacket	wire insulation	wire cross-section	cable-jacket-Ø	temperature range	bending cycles	Pin variant
604	PVC	grey	PE	4 x 2 x 26 AWG	6.2±0.3 mm	-40 °C ... 80 °C	no	1
607	PVC	green	PE	4 x 2 x 26 AWG	6.2±0.3 mm	-40 °C ... 80 °C	no	1
605	PUR	blue	PE	4 x 2 x 26 AWG	6.6±0.3 mm	-40 °C ... 80 °C	no	1
608	PUR	black	PE	4 x 2 x 26 AWG	6.6±0.3 mm	-40 °C ... 80 °C	no	1
609	PUR	green	PE	4 x 2 x 26 AWG	7.3±0.3 mm	-40 °C ... 80 °C	≥ 5 Million	1
632	TPE	teal	PE	4 x 2 x 26 AWG	7.4±0.3 mm	-40 °C ... 80 °C	≥ 5 Million	1

	Pin variant	Pin 1	Pin 2	Pin 3	Pin 4	Pin 5	Pin 6	Pin 7	Pin 8
	1	white/orange	orange	white/green	green	white/brown	brown	white/blue	blue

The information contained in this data sheet was compiled with the greatest possible care. Liability for correctness, completeness and topicality is limited to gross negligence.  
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