

## Connection module HD RJ45, kat.5, unshielded



### FEATURES:

- Cat.5 performance according to: ISO 11801, EN 50173, ANSI/TIA 568.2-D
- Unshielded
- Port density up to 48 ports per 1U
- The highest quality guaranteeing large margins of transmission parameters over the requirements of the standards
- The best performance in conjunction with FibrainDATA connection cables
- Component complies to IEC 60603-7-2
- Efficient signal compensation inside a module
- Tool or toolless termination
- Module construction equipped with an element for attaching the inserted cable without the use of cable ties
- IDC termination technology
- Pins covered with layer of gold
- Module construction guaranty a minimal untwist of wire pairs
- Plastic housing
- Automatic dust cover made of different colors for color coding
- Identification according to 568A and 568B

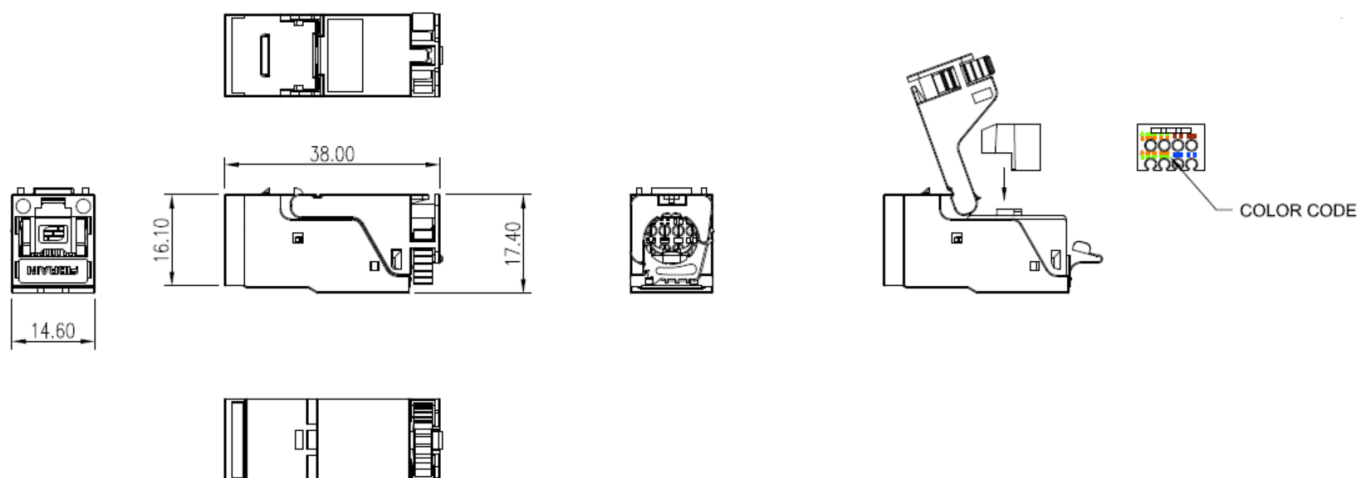
### TECHNICAL PARAMETERS

<b>Standardization</b>	ISO 11801-x, EN 50173-x, TIA 568.2-D, IEC 60603-7-2
<b>PoE</b>	IEEE 802.3af/802at and 802bt type 3 and type 4 (up to 100W)
<b>Operation temperature range</b>	-10 °C ÷ 60 °C
<b>Storage temperature range</b>	-40 °C ÷ 70 °C
<b>Transmission performance</b>	Cat.5
<b>Shielding</b>	No
<b>Housing material</b>	Plastic
<b>Max. Current rating [A]</b>	1,5
<b>Min. isolation resistance [MΩ]</b>	500
<b>Max DC resistance [Ω]</b>	20
<b>Material of pin contacts</b>	CuSN
<b>Pin contacts plating</b>	Min 50 μm of gold layer, min 80 μm of nickel layer
<b>Conductor diameter range (wire)</b>	AWG 22 ÷ AWG 26
<b>Conductor diameter range ( stranded wires)</b>	AWG 22/7 ÷ AWG 26/7
<b>Cable diameter range</b>	5,0 ÷ 8,5 mm
<b>Mating cycles standard/typical</b>	750/1000
<b>Min number of re-terminations</b>	20
<b>Fixation</b>	Without adapters

This document and the statements contained in it, are not intended for customers within the meaning of Civil Code. The information submitted in this document is to our knowledge and belief true at the time of issue, however, we do not assume any liability whatsoever for its accuracy, and completeness. This document is for informational purposes on an "as is" basis only, and Fibrain reserves the right to change its contents at any time without prior notice. The specification cannot in any case be considered an offer within the meaning of the Civil Code and is not contractually valid unless specifically authorized by Fibrain. Before using this product, its buyer and/or user has to make sure that it is suitable for the intended use. All liability issues related to this product are subjected to the seller's separate Terms of Sale or the terms and conditions agreed with the Fibrain representative or distributor.

Typ:	Connection module	MSO
		REV: 2
Ref:	XE100	F

**DIMENSIONS:**



**ORDERING:**

XE100 FibrainDATA connection module, RJ45/u, kat.5, green dust cover, without adapters