

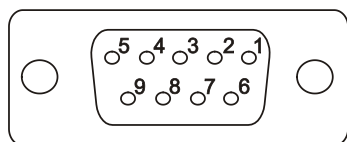
## Description

The communication module is an interface designed to let the operator panel connect to the RS-422/RS-485 signals. The communication will be through the dedicated DB9 female connector. The technical data is listed in the table below:

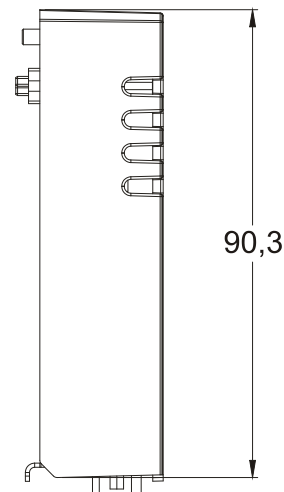
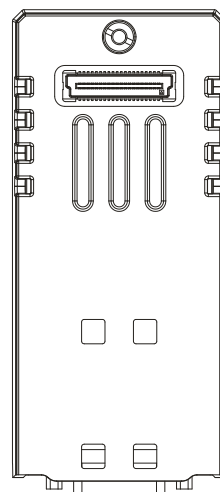
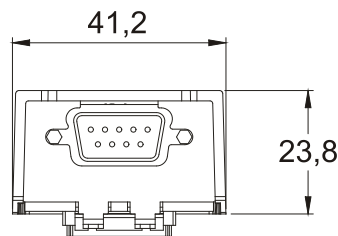
|                        |               |
|------------------------|---------------|
| Communication protocol | RS-422/RS-485 |
| Optical insulation     | Yes           |

| Pin | Description    | RS-422 | RS-485 |
|-----|----------------|--------|--------|
| 1   | GND            | X      | X      |
| 2   |                |        |        |
| 3   | A- (TX-)       | X      | X      |
| 4   | B- (RX-)       | X      |        |
| 5   |                |        |        |
| 6   | +5V 100mA max. | X      | X      |
| 7   | B+ (RX+)       | X      |        |
| 8   | A+ (TX+)       | X      | X      |
| 9   |                |        |        |

To operate in RS-485 pins 3-4 and 7-8 must be connected externally.



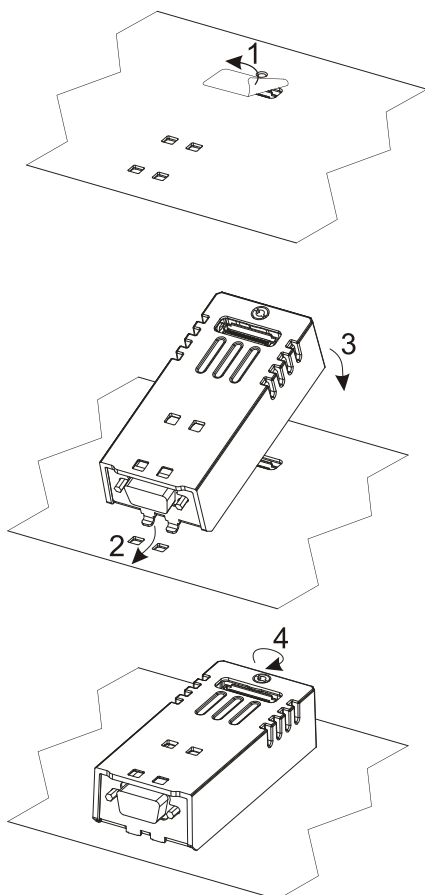
## Dimensions



1 MANPLCM04-001 V.1.05 12.22

## Mounting the module

Remove the connector protective cover from the equipment before installing the module.



3 MANPLCM04-001 V.1.05 12.22

2 MANPLCM04-001 V.1.05 12.22

The products have been designed for use on Exor products with expansion slot for plugin module for use in an industrial environment in compliance with the 2014/30/EU directive

The products have been designed in compliance with:

|              |                  |
|--------------|------------------|
| EN 61000-6-4 | EN 55011 Class A |
| EN 61000-6-2 | EN 61000-4-2     |
|              | EN 61000-4-3     |
|              | EN 61000-4-4     |
|              | EN 61000-4-5     |
|              | EN 61000-4-6     |
|              | EN 61000-4-8     |
|              | EN 60945         |

The installation of these devices into the residential, commercial and light-industrial environments is allowed only in the case that special measures are taken in order to get the conformity to IEC-61000-6.3.

Reproduction of the contents of this copyrighted document, in whole or part, without written permission of Exor International S.p.A., is prohibited.

MANPLCM04-001  
V.1.05 13.12.2022

4

## PLCM04

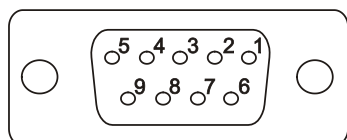
### Descrizione

Il modulo di comunicazione è una interfaccia realizzata per permettere la ricezione di segnali di tipo RS-422/RS-485 dal pannello interfaccia operatore. La comunicazione avviene attraverso il connettore femmina DB9 dedicato. Le caratteristiche tecniche sono le seguenti:

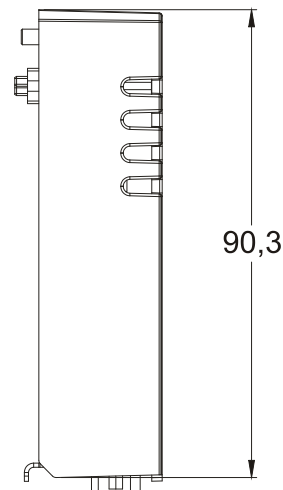
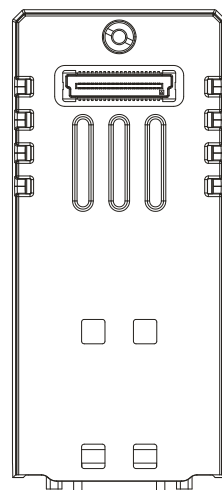
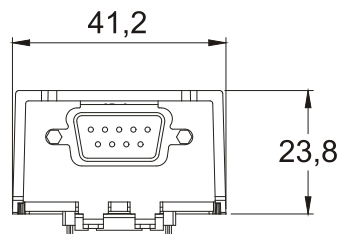
|                       |               |
|-----------------------|---------------|
| Protocolli supportati | RS-422/RS-485 |
| Isolamento            | Sì            |

| Pin | Descrizione    | RS-422 | RS-485 |
|-----|----------------|--------|--------|
| 1   | GND            | X      | X      |
| 2   |                |        |        |
| 3   | A- (TX-)       | X      | X      |
| 4   | B- (RX-)       | X      |        |
| 5   |                |        |        |
| 6   | +5V 100mA max. | X      | X      |
| 7   | B+ (RX+)       | X      |        |
| 8   | A+ (TX+)       | X      | X      |
| 9   |                |        |        |

Per operare in RS-485 i pin 3-4 e 7-8 devono essere collegati esternamente.



### Dimensioni

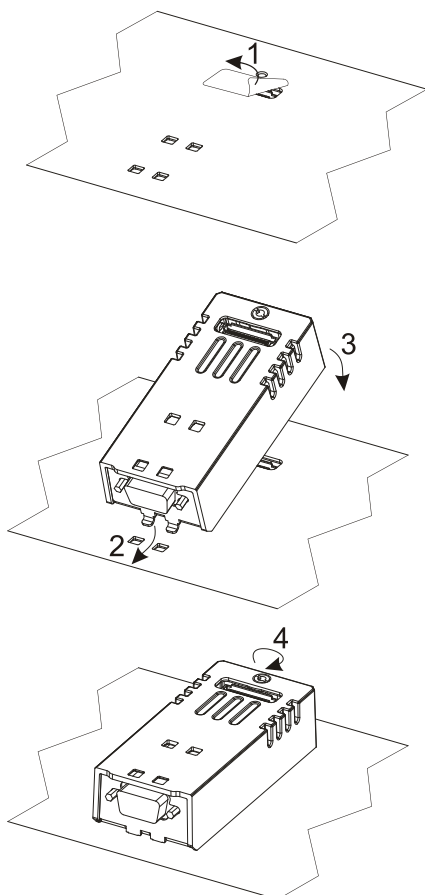


1

MANPLCM04-001 V.1.05 12.22

### Montaggio

Rimuovere dall'apparecchiatura la protezione di copertura del connettore prima di installare il modulo.



3

MANPLCM04-001 V.1.05 12.22

2

MANPLCM04-001 V.1.05 12.22

I prodotti sono stati progettati per essere utilizzati su prodotti Exor con slot d'espansione per moduli plugin per l'impiego in ambiente industriale in conformità alla direttiva 2014/30/UE

I prodotti sono stati progettati in conformità alle norme:

|              |                  |
|--------------|------------------|
| EN 61000-6-4 | EN 55011 Class A |
| EN 61000-6-2 | EN 61000-4-2     |
|              | EN 61000-4-3     |
|              | EN 61000-4-4     |
|              | EN 61000-4-5     |
|              | EN 61000-4-6     |
|              | EN 61000-4-8     |
|              | EN 60945         |

L'utilizzo di queste apparecchiature in ambienti residenziali, commerciali e dell'industria leggera è permesso solo nel caso in cui vengano prese le misure speciali per ottenere la conformità alla IEC61000-6-3.

Nessuna parte di questo manuale può essere riprodotta senza il preventivo permesso scritto di Exor International S.p.A.

MANPLCM04-001  
V.1.05 13.12.2022

4