

# Accessories for Millenium

## Modbus RS485 Interface



Electrical Control & Protection > Millenium Controller > Modbus RS485 Interface

The Millenium is the latest product in Crouzet's Millenium series. This is a compact, networked, and communicative PLC. Its flexible deployment and extensive configuration options with various extensions make it suitable for a wide range of applications.

Accompanied by powerful, intuitive software, it will support you throughout your automation needs.

For more information about **Millenium**, please visit [www.crouzet.com](http://www.crouzet.com)

### Offer description

- › Modbus RTU client/server standard widely used in industry
- › Polarize or not your Modbus network according to your needs
- › The removable connector allows to unplug a product without cutting the network
- › Include End Of Line resistor
- › Direct connection with screw terminals without the need of external accessories

### The Offer

**MI485P**



Modbus Interface RS485 P

**MI485**



Modbus Interface RS485

### Selection guide

	Polrization inside	Part number
Type		
Modbus RS485 P Interface	Yes	<b>MI485P</b>
Modbus RS485 Interface	No	<b>MI485</b>

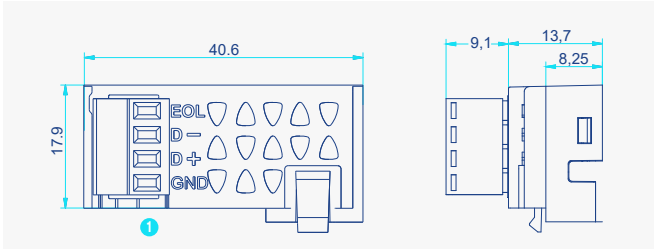
## Specifications

	MI485P	MI485
<b>Specific characteristics</b>		
Color	Light Gray RAL 7035	
Material	Polycarbonate	
Terminal Type	Euro type terminal Wire Size 1 x 24 to 12 Screw tightening Torque : 0.4 N. m. (3.54 lb. in)	
<b>General &amp; environment characteristics</b>		
Products certification	CE, cURus	
Conformity with the EMC directive (in accordance with 2014/30/EU)	<ul style="list-style-type: none"> <li>▪ IEC/EN 61000-6-1 (Residential, commercial, and light-industrial environments)</li> <li>▪ IEC/EN 61000-6-2 (Industrial)</li> <li>▪ IEC/EN 61000-6-3 (Residential, commercial, and light-industrial environments)</li> <li>▪ IEC/EN 61000-6-4 (Industrial)</li> </ul>	
Operating temperature	-20 °C → +55 °C (-4 °F → 131 °F)	
Storage temperature	-30 °C → +70 °C (-22 °F → 158 °F)	
Relative humidity	10-95%, non-condensing	
Maximum utilization altitude	Operation: 2000 m Transport: 3000 m	
Pollution	Degree: 2 in accordance with IEC/EN 61131-2	
Resistance to electrostatic discharge	Immunity to ESD IEC/EN 61000-4-2, level 3	
Resistance to HF interference (Immunity)	<ul style="list-style-type: none"> <li>▪ Immunity to radiated electrostatic fields IEC/EN 61000-4-3, level 3</li> <li>▪ Immunity to fast transients (burst immunity) IEC/EN 61000-4-4, level 3</li> <li>▪ Immunity to shock waves IEC/EN 61000-4-5</li> <li>▪ Radio frequency in common mode IEC/EN 61000-4-6, level 3</li> </ul>	
Conducted and radiated emissions	Class B	
Protocol Supported	Modbus Server or Modbus Client (FBD only)	
Hardware compatibility	Any Millenium bases MX*****ET MX*****	
Max. absorbed power	0.5W	
Enclosure Protection rating (in accordance with IEC/EN 60529)	IP 30	
Type	2 wires	
Line Termination	Internal, connectable by wiring	
Line Polarization	Included	Not Included
Transmission mode	RTU 8 bits ASCII 7 bits	
Parity	None, even, odd	
Stop bit	1 or 2	
Transmission rate	1200, 2400, 4800, 9600, 19200, 38400, 57600 bauds	
Addressing	From 1 to 247	
Compatible connector (included with the interface)	Euro type terminal 1 x 12 to 24 AWG	
Weight	10g	
Dimension (W x H x D) (mm)	40.6 x 17.9 x 13.7 mm (without connector)	

## Dimensions

### Front and Side

Modbus RS485 & RS485P Interface



1 Connection terminals

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