



# Communication Modules Pro2 Series

## Overview

WAGO Pro2 communication modules easily snap into place as an add-on to WAGO Pro2 power supplies. These modules are available for various communication protocols with their respective communication ports, allowing connectivity to PLCs for programming and monitoring. Connectivity to modules also provides accessibility to features and data from the power supplies.

## Features

- Snaps on to a WAGO Pro2 Power Supply
- Modbus RTU, EtherNet/IP, Modbus TCP/IP UDP/IP or IO-Link v1.1
- 2-year warranty



2789-9015



2789-9023



2789-9052



2789-9080

Communication Modules							
Part Number	Price	Port Protocol	Number of Ports	Communication Port	Port Speed	Requires	Drawing Link
<a href="#">2789-9015</a> *	\$71.00	Modbus RTU	2	(2) RS-485 (RJ45)	4.8 to 115.2k baud	WAGO Pro2 power supply and terminating resistor <a href="#">2789-9915</a>	<a href="#">PDF</a>
<a href="#">2789-9023</a>	\$100.00	EtherNet/IP	2	(2) Ethernet 10/100Base-T (RJ45)	10/100 Mbps auto-detect	WAGO Pro2 power supply	<a href="#">PDF</a>
<a href="#">2789-9052</a> *	\$100.00	Modbus TCP/IP UDP/IP	2	(2) Ethernet 10/100Base-T (RJ45)	10/100 Mbps auto-detect	WAGO Pro2 power supply	<a href="#">PDF</a>
<a href="#">2789-9080</a>	\$71.00	IO-Link Class A Device	1	(1) 3-position removable terminal	230.4k baud IO-Link COM3	WAGO Pro2 power supply	<a href="#">PDF</a>

\* Firmware on the Pro2 Power Supply must be version 01.04 or higher.

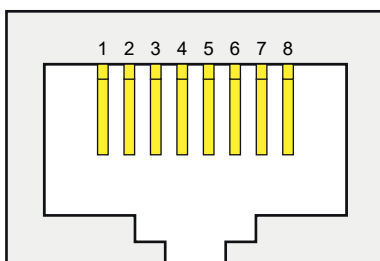
## Terminating Resistor For Use With [2789-9015](#)

Terminating Resistor						
Part Number	Price	Resistance	Connection	Weight	For Use With	Drawing Link
<a href="#">2789-9915</a>	\$39.00	120Ω	RJ45	35g [1.23 oz]	<a href="#">2789-9015</a>	<a href="#">PDF</a>



2789-9915

## 8-Pin RJ45



8-Pin RJ45 Pin Out	
Pin	Description
4	Contact "A" (D+/D1)
5	Contact "B" (D-/D0)
8	Contact "GND"



# Communication Modules

## Pro2 Series

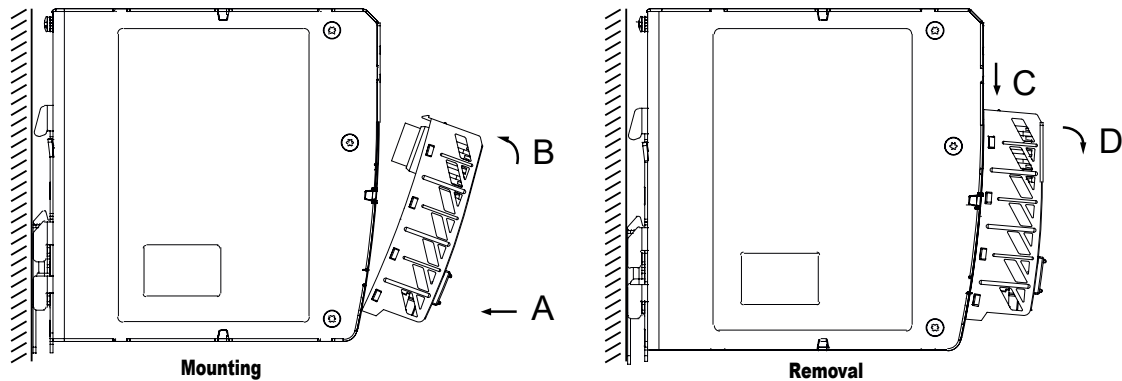
Specifications				
Part Number	2789-9015	2789-9023	2789-9052	2789-9080
Communication	Modbus RTU (RS-485)	EtherNet/IP - Protocols: HTTP(S), BootP, DHCP, SNTP, MQTT	Modbus (TCP, UDP) Ethernet Protocols: HTTP(S), BootP, DHCP, SNTP	IO-Link v1.1
Nominal Input Voltage	5VDC (SELV)			24VDC (SELV; via IO-Link Master)
Input Voltage Range	4.5 to 5.5 VDC (SELV)	—		18 to 30VDC (SELV; via IO-Link Master)
Input Current	≤ 0.04 A	≤ 250mA	210mA	≤ 15mA
Power Loss (max.)	0.22 W	—	1.1 W	—
Operating Temperature	-25 to 70°C [-13 to 158°F]	-40 to 55°C [-40 to 131°F]		-25 to 70°C [-13 to 158°F]
Storage Temperature	-40 to 85°C [-40 to 185°F]	-40 to 85°C [-40 to 185°F]		-40 to 85°C [-40 to 185°F]
Relative Humidity	5 to 95% (no condensation)			5 to 96% (no condensation)
LED Indicator	1 LED PWR (Green) 1 LED RxD (Yellow) 1 LED TxD (Yellow)	1 ERR LED (Red) 1 COM OK LED (Green) 1 LED LNK/ACTx (Green) 1 LED SPEEDx (Orange)		1 COM OK LED (Green) 1 ERR LED (Red)
Baud Rate	4.8 to 115.2 kBd	10/100 Mbps auto-detect		230.4k baud
Number of Devices (max.)	247	—	—	—
Test Voltage	2 kVAC; 50Hz; 1 min	0.775 kVAC; 50Hz; 1 min	0.775 kVAC; 50Hz; 1 min	—
Test Voltage (input/output/shield)	1 kVAC; 50Hz; 1 min	—		—
Protection Class	III			
Degree of Protection	IP20 per EN 60529			
Pollution Degree	2 (according to IEC/EN 60664-1)			
Connector	(2) RJ45	(2) Ethernet 10/100Base-T (RJ45)		Push-in CAGE CLAMP® Solid /Fine conductor 0.08 to 2.5 mm² / 28 to 12 AWG Strip length: 8 to 9 mm [0.31 to 0.35 in] Cable length max: 20m [65.61 ft] (IO-Link)
Transmission Medium	Twisted pair, shielded copper cable	Ethernet: Twisted pair S-UTP; 100Ω; Cat. 5		
Mounting	Only vertical on a WAGO Pro2 Power Supply			
Weight	35g [1.23 oz]	45g [1.58 oz]	45g [1.58 oz]	35g [1.23 oz]
Agency Approval	CE, UL File E175199, UL Haz File E198726			

To obtain the most current agency approval information, see the Agency Approval Compliance & Certifications Checklist section on the specific part number's web page.



# Communication Modules Pro2 Series

## Mounting/Removal



- Remove the cover for the communication interface from the WAGO Pro2 Power Supply you are using.
- Insert the bottom latches of the communication module into the bottom mounting slots of the WAGO Pro2 Power Supply [A].
- Slide the communication module toward the communication interface [B] until the top latches catch in the top mounting slots.
- Check that the communication module has correctly latched in position.

- Press in on the top locking tab of the communication module [C].
- Swing the device out to remove it from the WAGO Power Supply Pro2 [D].

