Data Sheet | Item Number: 2789-9080

Communication module; IO-Link; communication capability

https://www.wago.com/2789-9080



Features:

- WAGO's communication module snaps onto a Pro 2 Power Supply's communication interface.
- IO-Link device supports IO-Link specification 1.1
- Suitable for configuring and monitoring the subordinate power supply
- Function blocks for standard control systems available upon request
- Pluggable connection technology
- Marker slot for WAGO marking cards (WMB) and WAGO marking strips

Technical data

Input

Nominal input voltage U_{inom}	24 VDC (SELV; via IO-Link Master)
Input voltage range	18 … 30 VDC (SELV; via IO-Link Master)

Signaling and Communication

Signaling	1 x COM OK LED (green) 1 x ERR LED (red)
Communications	IO-Link
IO-Link version	1.1
Transmission rate	230.4 kBd (COM 3)
Data width	5 bytes
Data update rate	25 ms

Safety and protection

Isolation	0.63 kVDC
Protection class	III
Protection type	IP20; per EN 60529
Pollution degree	2

Connection Data

Cable length (max.)	20 m (IO-Link)

Connection 1

WAGO connector	WAGO 721 Series
Connection technology	CAGE CLAMP®
Solid conductor	0.08 … 2.5 mm² / 28 … 12 AWG
Fine-stranded conductor	0.08 … 2.5 mm² / 28 … 12 AWG
Strip length	8 … 9 mm / 0.31 … 0.35 inches

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Physical data

Width	35 mm / 1.378 inches
Height	95 mm / 3.74 inches
Depth	22 mm / 0.866 inches
Note (dimensions)	Height with connector; Depth in mounted state

Mechanical data

Mounting type	Snaps onto the communication interface (X4) of a Pro 2 Power Supply

Material data

Weight	35 g

Environmental requirements

Ambient temperature (operation)	-25 … +70 °C
Ambient temperature (storage)	-40 … +85 °C
Relative humidity	5 … 96 % (no condensation permissible)
Operating altitude (max.)	5000 m

Standards and Specifications

Conformity marking	CE
Standards/specifications	EN 61010-1 EN 61010-2-201 EN 61204-3 UL 61010-1 UL 61010-2-201 UL HazLoc

Commercial data

PU (SPU)	1 pcs
Packaging type	Box
Country of origin	VN
Customs tariff number	85176200000

Product Classification

UNSPSC	32151705
ETIM 9.0	EC002498
ETIM 10.0	EC002498
ECCN	NO US CLASSIFICATION

Environmental Product Compliance

RoHS Compliance Status	Compliant,With Exemption
RoHS Exemption	6(c) 7(a) 7(c)-I 7(c)-II

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Approvals / Certificates

General approvals

Approval	Standard	Certificate Name
EAC GZO Almaty Standart	TP TC 020/2011	EAC CoC 03081
UL Underwriters Laboratories Inc. (ORDINARY LOCATIONS)	-	E175199

Declarations of conformity and manufacturer's declarations

Approval	Standard	Certificate Name
EU-Declaration of Conformity WAGO GmbH & Co. KG	-	-
UK-Declaration of Conformity WAGO GmbH & Co. KG	-	-

Approvals for hazardous areas

Approval	Standard	Certificate Name
UL Underwriters Laboratories Inc. (HAZARDOUS LOCATIONS)	UL 121201	E198726

Downloads

Environmental Product Compliance

Compliance Search

Environmental Product Compliance 2789-9080

Documentation

Manual

Product Manual IO-Link Communication Module	2684064907 | 5 | en-US | 2025-04-17 16:04 25.04.2025	pdf 1380.95 KB

Bid Text

2789-9080_EUSA	04.07.2019	docx 19.43 KB
2789-9080_EUSA	04.07.2019	xml 5.00 KB
ausschreiben.de 2789-9080		

Instruction Leaflet

WAGO Kommunikationsmodul IO-Link	V 2.0.0 25.04.2025	pdf 1078.09 KB

CAD/CAE-Data

CAD data	CAE data
2D/3D Models 2789-9080	EPLAN Data Portal 2789-9080
	ZUKEN Portal 2789-9080

Libraries

Library		
WagoLibPowerSupply	1.1.3 31.08.2020	zip 806.67 KB

1 Compatible Products

1.1 Optional Accessories

1.1.1 Marking

1.1.1.1 Marker



Item No.: 2009-115
WMB-Inline; for Smart Printer; 1500 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; white

1.1.1.2 Marker carrier

Item No.: 2789-1233
Marker carrier; for WMB or marking strips; Length: 33 mm

1.1.1.3 Marking strip



Item No.: 2009-110
Marking strips; for Smart Printer; on reel; not stretchable; plain; snap-on type; white

1.1.2 Power supply

1.1.2.1 Power Supply



Item No.: 2787-2134
Power supply; Pro 2; 1-phase; 12 VDC output voltage; 10 A output current; TopBoost + PowerBoost; communication capability



Item No.: 2787-2135
Power supply; Pro 2; 1-phase; 12 VDC output voltage; 15 A output current; TopBoost + PowerBoost; communication capability



Item No.: 2787-2146
Power supply; Pro 2; 1-phase; 24 VDC output voltage; 10 A output current; TopBoost + PowerBoost; communication capability



Item No.: 2787-2146/000-030
Power supply; Pro 2; 1-phase; 24 VDC output voltage; 10 A output current; TopBoost + PowerBoost; communication capability

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1.1.2.1 Power Supply



Item No.: 2787-2146/000-070
Power supply; Pro 2; 1-phase; 24 VDC output voltage; 10 A output current; TopBoost + PowerBoost; Protection Coating; communication capability



Item No.: 2787-2147
Power supply; Pro 2; 1-phase; 24 VDC output voltage; 20 A output current; TopBoost + PowerBoost; communication capability



Item No.: 2787-2147/000-030
Power supply; Pro 2; 1-phase; 24 VDC output voltage; 20 A output current; TopBoost + PowerBoost; communication capability



Item No.: 2787-3147/000-030
Power supply; Pro 2; 1-phase; 24 VDC output voltage; 20 A output current; TopBoost + PowerBoost; communication capability; Redundancy



Item No.: 2787-2147/000-070
Power supply; Pro 2; 1-phase; 24 VDC output voltage; 20 A output current; TopBoost + PowerBoost; Protection Coating; communication capability



Item No.: 2787-2448
Power supply; Pro 2; 1-phase; 24 VDC output voltage; 40 A output current; TopBoost + PowerBoost; communication capability; Input voltage range: 200 ... 240 VAC



Item No.: 2787-2448/000-030
Power supply; Pro 2; 1-phase; 24 VDC output voltage; 40 A output current; TopBoost + PowerBoost; communication capability; Input voltage range: 200 ... 240 VAC



Item No.: 2787-3448/000-030
Power supply; Pro 2; 1-phase; 24 VDC output voltage; 40 A output current; TopBoost + PowerBoost; communication capability; Redundancy; Input voltage range: 200 ... 240 VAC



Item No.: 2787-3448
Power supply; Pro 2; 1-phase; 24 VDC output voltage; 40 A output current; TopBoost + PowerBoost; Input voltage range 200 ... 240 VAC; communication capability; ORing



Item No.: 2787-2448/000-070
Power supply; Pro 2; 1-phase; 24 VDC output voltage; 40 A output current; TopBoost + PowerBoost; Protection Coating; communication capability; Input voltage range: 200 ... 240 VAC



Item No.: 2787-2144
Power supply; Pro 2; 1-phase; 24 VDC output voltage; 5 A output current; TopBoost + PowerBoost; communication capability



Item No.: 2787-2144/000-030
Power supply; Pro 2; 1-phase; 24 VDC output voltage; 5 A output current; TopBoost + PowerBoost; communication capability



Item No.: 2787-2144/000-070
Power supply; Pro 2; 1-phase; 24 VDC output voltage; 5 A output current; TopBoost + PowerBoost; Protection Coating; communication capability



Item No.: 2787-2157
Power supply; Pro 2; 1-phase; 48 VDC output voltage; 10 A output current; TopBoost + PowerBoost; communication capability



Item No.: 2787-2154
Power supply; Pro 2; 1-phase; 48 VDC output voltage; 2.5 A output current; TopBoost + PowerBoost; communication capability



Item No.: 2787-2346
Power supply; Pro 2; 3-phase; 24 VDC output voltage; 10 A output current; TopBoost + PowerBoost; communication capability



Item No.: 2787-2346/000-030
Power supply; Pro 2; 3-phase; 24 VDC output voltage; 10 A output current; TopBoost + PowerBoost; communication capability



Item No.: 2787-3346/000-030
Power supply; Pro 2; 3-phase; 24 VDC output voltage; 10 A output current; TopBoost + PowerBoost; communication capability



Item No.: 2787-2346/000-070
Power supply; Pro 2; 3-phase; 24 VDC output voltage; 10 A output current; TopBoost + PowerBoost; Protection Coating; communication capability



Item No.: 2787-2347
Power supply; Pro 2; 3-phase; 24 VDC output voltage; 20 A output current; TopBoost + PowerBoost; communication capability



Item No.: 2787-2347/000-030
Power supply; Pro 2; 3-phase; 24 VDC output voltage; 20 A output current; TopBoost + PowerBoost; communication capability



Item No.: 2787-3347/000-030
Power supply; Pro 2; 3-phase; 24 VDC output voltage; 20 A output current; TopBoost + PowerBoost; communication capability; Redundancy



Item No.: 2787-2347/000-070
Power supply; Pro 2; 3-phase; 24 VDC output voltage; 20 A output current; TopBoost + PowerBoost; Protection Coating; communication capability



Item No.: 2787-2348
Power supply; Pro 2; 3-phase; 24 VDC output voltage; 40 A output current; TopBoost + PowerBoost; communication capability



Item No.: 2787-2348/000-030
Power supply; Pro 2; 3-phase; 24 VDC output voltage; 40 A output current; TopBoost + PowerBoost; communication capability



Item No.: 2787-3348/000-030
Power supply; Pro 2; 3-phase; 24 VDC output voltage; 40 A output current; TopBoost + PowerBoost; communication capability; Redundancy



Item No.: 2787-2348/000-070
Power supply; Pro 2; 3-phase; 24 VDC output voltage; 40 A output current; TopBoost + PowerBoost; Protection Coating; communication capability



Item No.: 2787-2344
Power supply; Pro 2; 3-phase; 24 VDC output voltage; 5 A output current; TopBoost + PowerBoost; communication capability



Item No.: 2787-2344/000-030
Power supply; Pro 2; 3-phase; 24 VDC output voltage; 5 A output current; TopBoost + PowerBoost; communication capability



Item No.: 2787-2344/000-070
Power supply; Pro 2; 3-phase; 24 VDC output voltage; 5 A output current; TopBoost + PowerBoost; Protection Coating; communication capability



Item No.: 2787-2357
Power supply; Pro 2; 3-phase; 48 VDC output voltage; 10 A output current; TopBoost + PowerBoost; communication capability



Item No.: 2787-2358
Power supply; Pro 2; 3-phase; 48 VDC output voltage; 20 A output current; TopBoost + PowerBoost; communication capability



Item No.: 2787-3347
Power supply; Pro 2; Redundancy; 3-phase; 24 VDC output voltage; 20 A output current; TopBoost + PowerBoost; communication capability



Item No.: 2787-3348
Power supply; Pro 2; Redundancy; 3-phase; 24 VDC output voltage; 40 A output current; TopBoost + PowerBoost; communication capability



Item No.: 2787-3147
Stromversorgung; Pro 2; 1-phasig; Ausgangsspannung DC 24 V; Ausgangsstrom 20 A; TopBoost + PowerBoost; kommunikationsfähig; ORing



Item No.: 2787-2147/000-040
Stromversorgung; Pro 2; 1-phasig; Ausgangsspannung DC 24 V; Ausgangsstrom 20 A; TopBoost + PowerBoost; Schutzlackierung; kommunikationsfähig

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1.1.2.1 Power Supply



Item No.: 2787-2448/000-040
Stromversorgung; Pro 2; 1-phasig; Ausgangsspannung DC 24 V; Ausgangsstrom 40 A; TopBoost + PowerBoost; Schutzlackierung; kommunikationsfähig; Eingangsnennspannung AC 200 … 240 V



Item No.: 2787-2144/000-040
Stromversorgung; Pro 2; 1-phasig; Ausgangsspannung DC 24 V; Ausgangsstrom 5 A; TopBoost + PowerBoost; Schutzlackierung; kommunikationsfähig



Item No.: 2787-3146/000-030
Switched-mode power supply; Pro 2; 1-phase; 24 VDC output voltage; 10 A output current; TopBoost + PowerBoost; communication capability; Redundancy

1.1.3 Tool

1.1.3.1 Operating tool



Item No.: 210-720
Operating tool; Blade: 3.5 x 0.5 mm; with a partially insulated shaft; multicoloured