

Features

- Supports USB and external power for maximum versatility
- Provides configurable process data for customized applications
- Includes reverse polarity and short circuit protection for safety
- IP20 protection for consistent performance

RS PRO IO-LINK MASTER

RS Stock No.: 0711244



RS PRO is the own brand of RS. The RS PRO Seal of Approval is your assurance of professional quality, a guarantee that every part is rigorously tested, inspected, and audited against demanding standards. Making RS PRO the Smart Choice for our customers.

Product Description

The IO-Link USB master is used for communication with IO-Link devices. Its purpose is to connect IO-Link sensors to a PC's USB port for easy configuration, parameterization and diagnostics. Low-power sensors are powered directly via the USB master. The device is ideal for testing, commissioning, and maintenance.

General Specifications

Description	IO-Link USB master
Applications	Testing, commissioning, and maintenance
Instructions on use	For use with the USB IO-Link Master Tool software (available from the Support Portal) for Windows version 7 or higher (32/64 bit).
Protocol	IO-Link®
IO-Link, Protocol version	Master V 1.0 Master V 1.1

Material Characteristics

Material housing	Anodised wrought aluminium alloy
Note on materials	RoHS-compliant

Electrical Specifications

Input voltage	5 V DC at the USB connection 24 V DC \pm 6 V via external supply
Input current	Max. 2.5 A via external supply Max. 600 mA at the USB connection
Output voltage	24 V DC \pm 10% with USB operation 24 V DC \pm 6 V with external supply (max. input voltage)
Reverse polarity protection	For operating voltage connections
Short circuit current rating	yes

Overload protection	Not available
IO-Link, communication mode	COM1 (4.8 kB), COM2 (38.4 kB), COM3 (230.4 kB)
IO-Link, Port class	A B, with accessories
IO-Link, Number of ports	1
IO-Link, Process data length OUT	Can be parameterised, 0-32 bytes
IO-Link, Process data length IN	Can be parameterised, 0-32 bytes
IO-Link, Min. cycle time	1.5 ms
IO-Link, Data storage provided	2 kB/port
IO-Link, Output current	80 mA with USB operation Max. input current with external supply (<2.5A)
Power supply, function	Additional power supply
Power supply, connection type	Socket
Power supply, connection system	Coaxial
Power supply, note on connection technology	for plugs with outside diameter of 5.5 mm/inside diameter of 2.1 mm
Power supply, number of pins/wires	2
USB interface, connection technology	USB 2.0 type B mini
USB interface, galvanic isolation	yes
Electrical connection for IO-Link, connection type	Socket
Electrical connection for IO-Link, connection technology	M12x1, A-coded to EN 61076-2-101
Electrical connection for IO-Link, number of pins/wires	5
Electrical connection IO-Link®, occupied pins/wires	3

Mechanical Specifications

Dimensions	68.5x41.3x h. 24 mm
Weight	106g

Operation Environment Specifications

Storage Temperature	-10°C to 75°C
Maximum Operating Temperature	55°C
Minimum Operating Temperature	0°C

Protection Category

IP Rating	IP20
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Classification

eCl@ss Version	
UNSPSC Version	

Approvals

Compliance/Certifications	CE
Standards	EN 61131-9

Similar Products

Parameters	Stock#	Stock#	Stock#	Stock#
Brand	RS PRO	RS PRO	RS PRO	RS PRO
Type				
Switch Operation				
Contact Configuration				
Illuminated				
LED Colour				
Actuator Colour				
Actuator Shape				
Legend				
Case Colour				
Material Characteristics				
Voltage Rating				
Terminal Type				
Actuator Type				
Contact AC Voltage Rating				
Contact DC Voltage Rating				
Contact Current Rating				
Insulation Resistance				
Insulation Withstand Voltage				
Dielectric Strength				

Mounting Type				
Panel Cut Out Size				
Panel Thickness				
Panel Cut Out Diameter				
Panel Cut Out Height				
Mechanical Life				
Dimensions				
Weight				
Storage Temperature				
Maximum Operating Temperature				
Minimum Operating Temperature				
IP Rating				
Electric Shock Protection Class				
Compliance/Certifications				
Applications				

Accessory parts

Enclosure IO-Link with one button	SB1B10-IO
Enclosure IO-Link with two buttons	SB2B50B50-IO
Enclosure IO-Link with three buttons	SB3B13B10B11-IO
Enclosure IO-Link with two buttons and EMO	SB3EB10B11-IO

DIMENSIONAL/SCHEMATIC DIAGRAMS / ILLUSTRATIONS