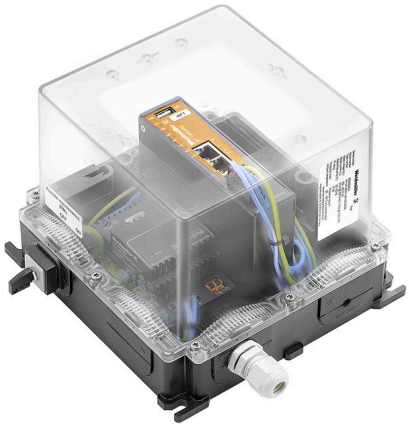
Data sheet

FP IOT MD01 LAN S2 00000

Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 26
D-32758 Detmold
Germany

www.weidmueller.com



Features of IoT-Gateways

- Enables machine data acquisition and provides access to field devices and PLC's via various protocols and interfaces
- Interfaces to your own IT systems as well as to common cloud systems
- Data traffic reduction through preprocessing on edge via the open IoT standard Node-RED
- Secure and easy remote maintenance with Weidmüller u-link Remote Access Service
- Integration of most common communication interfaces in small design
- Open programming platform Node-RED with strong community support

General ordering data

Version	FieldPower® IoT-Box, LAN, IP54
Order No.	8000058603
Type	FP IOT MD01 LAN S2 00000
GTIN (EAN)	4064675021285
Qty.	1 items
Delivery status	Discontinued

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Technical data

Approvals

Approvals	
ROHS	Conform

Dimensions and weights

Depth	155 mm	Depth (inches)	6.1024 inch
Height	221 mm	Height (inches)	8.7008 inch
Width	228 mm	Width (inches)	8.9764 inch
Net weight	1678 g		

Temperatures

Storage temperature	-40 °C...85 °C	Operating temperature	-20 °C...40 °C
Humidity	5...95 %, no condensation		

Environmental Product Compliance

RoHS Compliance Status	Compliant with exemption
RoHS Exemption (if applicable/known)	6c, 7a, 7cI
REACH SVHC	Lead 7439-92-1, Potassium perfluorobutane sulfonate 29420-49-3, Lead monoxide 1317-36-8
SCIP	d6f9e3fe-0f29-41d1-a537-4e62eab21ef2

Input

Recommended back-up fuse	2 A / DI, safety fuse 6 A, Char. B, circuit breaker 2...4 A, Char. C circuit breaker	Frequency range AC	45...65 Hz
Input voltage (voltage mode input)	85...264 V AC (derating at 100 V AC), optional 24 V external feed-in	Input fuse (internal)	Yes
AC current consumption	0.5 A @ 230 V AC / 1.0 A @ 100 V AC	Inrush current	max. 40 A

Output

Connection system	PUSH IN	Output voltage type	DC
Output voltage	optional: max. 950 mA / 24 V		

Cable gland

Number of cable glands	1	Cable gland clamping area, min.	6 mm
Cable gland material	Polyamide 6	Cable gland clamping area, max.	12 mm

General data

UL 94 flammability rating	V-0

Power supply

Supply voltage	24 V DC

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Technical data

System data

Processor	Dual Core ARM Cortex A9, 600 MHz	Memory (Flash)	4 GB
Real-time clock	Capacity buffered (max. 5 days)		

General specifications

Installation advice	Lid screws included	Protection degree	IP54
Basic material	Polycarbonate, glass fibre reinforced, Polycarbonate	Colour	black, Transparent
UL 94 flammability rating	V-0	Lid attachment	TX20 screws
Torque for lid screws	2 Nm	Enclosure attachment	Fixing lugs

Input

Recommended back-up fuse	2 A / DI, safety fuse 6 A, Char. B, circuit breaker 2...4 A, Char. C circuit breaker	Frequency range AC	45...65 Hz
Input voltage (voltage mode input)	85...264 V AC (derating at 100 V AC), optional 24 V external feed-in	AC current consumption	0.5 A @ 230 V AC / 1.0 A @ 100 V AC
Inrush current	max. 40 A	Input fuse (internal)	Yes

Output

Output voltage type	DC	Output voltage	optional: max. 950 mA / 24 V

Clamping capacity

Connection data - terminal strip	Wire connection method	PUSH IN	
	Conductor connection cross-section, solid, max.	2.5 mm²	
	Conductor connection cross-section, solid, min.	0.50 mm²	
	Conductor connection cross-section, stranded, max.	2.50 mm²	
	Conductor connection cross-section, stranded, min.	0.50 mm²	
	Conductor connection cross-section, finely stranded, max.	2.50 mm²	
	Conductor connection cross-section, finely stranded, min.	0.50 mm²	
	Conductor connection cross-section, finest stranded, max.	2.50 mm²	
	Conductor connection cross-section, finest stranded, min.	0.50 mm²	
	Conductor connection cross-section with wire end ferrule	Type of wire end ferrule	12 mm with plastic collar
		Standard	DIN 46228/1
		Cross-section, min.	0.5 mm²
		Cross-section, max.	2.5 mm²
		Type of wire end ferrule	12 mm with plastic collar
		Standard	DIN 46228/4
		Cross-section, min.	0.5 mm²
		Cross-section, max.	2.5 mm²
		Type of wire end ferrule	8 mm with plastic collar

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Technical data

Standard	DIN 46228/1
Cross-section, min.	0.5 mm²
Cross-section, max.	2.5 mm²
Type of wire end ferrule	8 mm with plastic collar
Standard	DIN 46228/4
Cross-section, min.	0.5 mm²
Cross-section, max.	2.5 mm²
Type of wire end ferrule	Twin wire-end ferrules
Cross-section, min.	0.5 mm²
Cross-section, max.	2.5 mm²

System data

Memory (RAM)	1 GB, DDR3	Processor	Dual Core ARM Cortex A9, 600 MHz
Memory (Flash)	4 GB	Real-time clock	Capacity buffered (max. 5 days)

VPN

u-link	OpenVPN-based remote access service via the Weidmüller u-link cloud

Environmental conditions

Operating temperature, max.	40 °C	Operating temperature, min.	-20 °C
Humidity	5...95 %, no condensation	Storage temperature, max.	85 °C
Storage temperature, min.	-40 °C		

Interfaces

Ethernet ports	2	RJ45 ports	10/100/1000BaseT(X), auto negotiation, Full-/half-duplex mode, Auto MDI/MDI-X port
Number of ports	2x RJ45 10/100/1000BaseT(X), 1x RS-232	Digital outputs	1x, 19.2 - 28 V high; max. 1 A
Digital inputs	2x, >10 V high , <3.6 V low; max. 30 V DC	USB port	1x USB 2.0 (Type A; max. 500 mA)
Serial port	1x RS232/RS485		

Power supply

Supply voltage	24 V DC	
Inrush current	max. 40 A	
Voltage supply range	Voltage type	DC
	Voltage, min.	19.2 V
	Voltage, max.	28 V
Current consumption	Voltage	24 V
	Current	0.24 A

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Technical data

Technical data

Colour	black, Transparent	Housing main material	Polycarbonate glass fiber reinforced
Type of mounting	Screw mounting, Fixing lugs	Protection degree	IP54
Speed	Fast Ethernet		

Classifications

ETIM 8.0	EC001099	ETIM 9.0	EC001099
ETIM 10.0	EC001099	ECLASS 14.0	19-17-04-90
ECLASS 15.0	19-17-04-90		

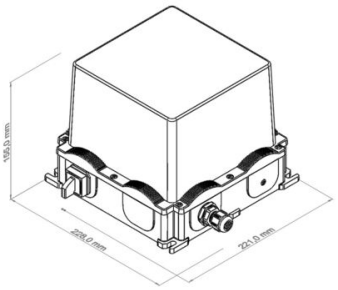
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Drawings



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