

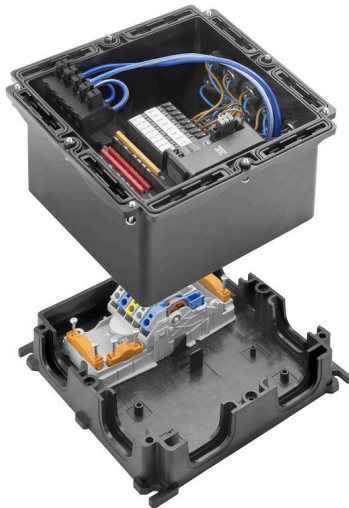
FP TGD 8X4A 2P A IOL**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

**NEC**
Class 2

The electronic load monitoring system topGUARD is integrated in the outlet boxes. The loads that can be connected via M12 connectors are thus individually monitored and switched off if necessary.

General ordering data

Version	FieldPower® electronic load monitoring, IP65, in complete state, 4 A, M12 A-coded (power), M12 A-coded (IO-Link)
Order No.	2743480000
Type	FP TGD 8X4A 2P A IOL
GTIN (EAN)	4064675061045
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	196 mm	Height (inches)	7.7165 inch
Width	196 mm	Width (inches)	7.7165 inch
Net weight	1769 g		

Temperatures

Storage temperature	-10 °C...60 °C	Operating temperature	-20 °C...45 °C
Operating temperature range	-25...50 °C	Humidity	35...85%, non condensing and non freezing

Environmental Product Compliance

RoHS Compliance Status	Compliant with exemption
RoHS Exemption (if applicable/known)	6c, 7a, 7cI
REACH SVHC	Lead 7439-92-1, Terphenyl, hydrogenated 61788-32-7, 4,4'-isopropylidenediphenol 80-05-7, Potassium perfluorobutane sulfonate 29420-49-3
SCIP	4fbedcbe-7ffa-4e3c-856c-9cb6aea05730

Input

Rated input voltage	24 V DC	Input voltage, max.	30 V
Input voltage, min.	18 V	Wire connection method	Insulation displacement connection (IDC), PUSH IN
Surge protection	Suppressor diode	Input fuse (internal)	No
DC input voltage range	18...30 V DC		

Output

Wire connection method	Insulation displacement connection (IDC), PUSH IN	Surge protection	Suppressor diode
Capacitive load	4.700 µF	Adjustable rated current	Yes
Rated current (per channel)	4 A	Triggering characteristic	see characteristic curve

General data

Installation advice	Lid screws included	Humidity	35...85%, non condensing and non freezing
Standards	not UL approved	Protection degree	IP65, in complete state
Surge voltage category	III		

Insulation coordination

Surge voltage category	III
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Input

Surge protection	Suppressor diode	DC input voltage range	18...30 V DC
Rated input voltage	24 V DC	Input fuse (internal)	No

Output

Capacitive load	4.700 µF	Adjustable rated current	Yes
Rated current (per channel)	4 A	Triggering characteristic	see characteristic curve

Clamping capacity

Connection data - contact element Branch / Feed-in	Wire connection method	PUSH IN		
	Blade size of operating tool	0.6 x 3.5 mm		
	Stripping length	14.00 mm		
	Number of poles	5		
	Conductor connection cross-section, solid, max.	6 mm ²		
	Conductor connection cross-section, solid, min.	0.50 mm ²		
	Conductor connection cross-section, stranded, max.	6.00 mm ²		
	Conductor connection cross-section, stranded, min.	0.50 mm ²		
	Conductor connection cross-section, finely stranded, max.	10.00 mm ²		
	Conductor connection cross-section, finely stranded, min.	0.50 mm ²		
	Conductor connection cross-section, finest stranded, max.	6.00 mm ²		
	Conductor connection cross-section, finest stranded, min.	0.50 mm ²		
	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 mm ²	
		Cross-section, max.	6 mm ²	
		Type of wire end ferrule	12 mm with plastic collar	
		Standard	DIN 46228/4	
		Cross-section, min.	0.5 mm ²	
		Cross-section, max.	6 mm ²	
Type of wire end ferrule		8 mm with plastic collar		
Standard		DIN 46228/1		
Cross-section, min.		0.5 mm ²		
Cross-section, max.		6 mm ²		
Type of wire end ferrule	8 mm with plastic collar			
Standard	DIN 46228/4			
Cross-section, min.	0.5 mm ²			
Cross-section, max.	6 mm ²			
Type of wire end ferrule	Twin wire-end ferrules			
Cross-section, min.	0.5 mm ²			
Cross-section, max.	6 mm ²			
Connection data - contact element power bus	Wire connection method	Insulation displacement connection (IDC)		
	Blade size of operating tool	0.6 x 3.5 mm		
	Number of poles	5		
	Conductor connection cross-section, solid, max.	6 mm ²		
	Conductor connection cross-section, solid, min.	1.50 mm ²		

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Technical data

Conductor connection cross-section, stranded, max.	6.00 mm ²
Conductor connection cross-section, stranded, min.	2.50 mm ²
Conductor connection cross-section, finely stranded, max.	6.00 mm ²
Conductor connection cross-section, finely stranded, min.	2.50 mm ²
Conductor connection cross-section, finest stranded, max.	6.00 mm ²
Conductor connection cross-section, finest stranded, min.	2.50 mm ²

Rated data acc. to IEC

Rated data acc. to IEC for plug-in connector		
Voltage type	DC	
Standard	IEC 60947-7-1, IEC 60947-7-2, IEC 61984	
Rated voltage	690 V	
Rated impulse withstand voltage	8.00 kV	
Rated current (3 loaded poles)	32 A	
Rated current (4 loaded poles)	25 A	
Rated data acc. to IEC for contact element		
Voltage type	DC	
Standard	IEC 60947-7-1, IEC 60947-7-2	
Rated voltage	800 V	
Rated impulse withstand voltage	8.00 kV	
Rated current (3 loaded poles)	41 A	
Rated current (4 loaded poles)	25 A	

Rated data acc. to UL

Standards		
not UL approved		
Rated data acc. to UL for contact element		
Standard	UL 1059	
Note	for use with UL-listed TC-ER cables	
Conductor connection cross-section, AWG, max.	AWG 10	
Conductor connection cross-section, AWG, min.	AWG 14	
Rated voltage	600 V	
Rated current	30 A	
Rated data acc. to UL for plug-in connector		
Standard	UL 1059	
Note	for use with UL-listed TC-ER cables	
Conductor connection cross-section, AWG, max.	AWG 12	
Conductor connection cross-section, AWG, min.	AWG 16	
Rated voltage	600 V	
Rated current	20 A	

Classifications

ETIM 8.0	EC003538	ETIM 9.0	EC003538
ETIM 10.0	EC003538	ECLASS 14.0	27-37-10-16
ECLASS 15.0	27-37-10-16		

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Drawings

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