

**TGD FIM-C****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com



Modern machines and plants require load monitoring systems capable of communication. topGUARD - the IO-Link-capable load monitoring system - offers remote control options, full data transparency and reliable protection of the 24-volt system voltage. topGUARD is the ideal complement to IO-Link capable PROtop power supplies from innovative power management systems. It follows the innovative approach to integrated potential distribution, which saves space and time in device installation. A communication module simply needs to be connected and an IODD file integrated in order to carry out parameterisation and control, and to provide all operating data.

**General ordering data**

Version	Supply module
Order No.	<a href="#">2625000000</a>
Type	TGD FIM-C
GTIN (EAN)	4050118689419
Qty.	1 pc(s).

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## Technical data

## Dimensions and weights

Depth	85.5 mm	Depth (inches)	3.366 inch
Height	125 mm	Height (inches)	4.921 inch
Width	35 mm	Width (inches)	1.378 inch
Net weight	128 g		

## Temperatures

Storage temperature	-40 °C...85 °C	Operating temperature	-25 °C...70 °C
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## Input

Connection system	PUSH IN	DC input voltage range	18...30 V DC
Input fuse (internal)	No	Rated input voltage	24 V DC
Surge protection	Suppressor diode	max. admissible residual ripple at the input	100 mVpp

## Output

Rated current (per channel)	40 A	Surge protection	Suppressor diode
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## General data

Conformal coating	No		
MTTF	According to Standard	SN 29500	
	Operating time (hours), min.	2,479,000 h	
	Ambient temperature	40 °C	
	Input voltage	24 V	
	Duty cycle	100 %	
Protection degree	IP20		
Surge voltage category	III		

## Insulation coordination

Surge voltage category	III
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## Connection data (input)

Conductor cross-section, AWG/kcmil , max.	6	Conductor cross-section, AWG/kcmil , min.	18
Conductor cross-section, flexible , min.	0.75 mm <sup>2</sup>	Conductor cross-section, rigid , max.	10 mm <sup>2</sup>
Conductor cross-section, rigid , min.	0.75 mm <sup>2</sup>	Connection system	PUSH IN
Number of terminals	2 (+,-)	Screwdriver blade	1.2 x 6.5
Wire connection cross section, flexible (input), max.	16 mm <sup>2</sup>		

## Signalling

LED green/red	Station ok (slow flashing green, 1.5 Hz), Device ok (fast flashing green, 13 Hz), Station error (slow flashing red, 1.5 Hz), Device error (fast flashing red, 13 Hz)	Yellow LED	Address is assigned, Addresses being assigned (slow flashing, 1.5 Hz), Address error (fast flashing, 13 Hz)
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## Approbations

Certificate no. (cULus)	E258476	Institute (cULus)	CULUS
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## Classifications

ETIM 6.0	EC002057	ETIM 7.0	EC002057
ETIM 8.0	EC002057	ETIM 9.0	EC001437
ECLASS 9.0	27-37-10-16	ECLASS 9.1	27-37-10-16
ECLASS 10.0	27-37-10-16	ECLASS 11.0	27-37-10-16
ECLASS 12.0	27-37-10-16	ECLASS 13.0	27-37-10-16

## Environmental Product Compliance

REACH SVHC	Lead 7439-92-1
SCIP	925510b1-0d14-47d7-86d9-90447b22ecd3
RoHS Compliance Status	Compliant with exemption
RoHS Exemption (if applicable/known)	7a, 7cl

## Approvals

Approvals



ROHS	Conform
UL File Number Search	UL Website
Certificate no. (cULus)	E258476

## Downloads

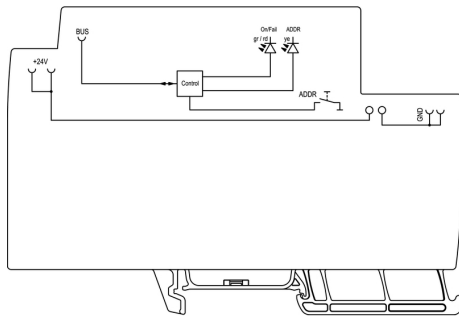
Approval/Certificate/Document of Conformity	<a href="#">TopGuard TGD ELM UL 61010-1 CSA C22.2.pdf declaration of conformity</a>
Engineering Data	<a href="#">CAD data – STEP</a> <a href="#">Quick start guide – UR67-PN-HP-8IOL-12-60M Quick Start Guide for configuration of UR67-PN-IO-Link master</a>
Product Change Notification	<a href="#">TGD FIM-C Release-Notes</a>
User Documentation	<a href="#">Operating instructions / leaflet</a> <a href="#">IO-Link Register Description topGUARD</a>
Catalogues	<a href="#">Catalogues in PDF-format</a>

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## Drawings



Schematic circuit diagram