

## Extension module - FL FXT - 2989307

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Extension module for the FL SWITCH GHS... Gigabit Modular Switch, extension by up to 8 Ethernet ports

### Your advantages

- ✔ Connection of connection media that can be assembled in the field, such as POF, HCS, and GI HCS
- ✔ Quick and easy local configuration options with the new operator/display interface
- ✔ Security in the automation network according to IEEE 802.1X
- ✔ Connection of Gigabit fiberglass via FL SFP plug-in modules
- ✔ Optional Layer 3 functions (static routing) can be activated



### Key Commercial Data

Packing unit	1 pc
GTIN	 4 046356 435369
GTIN	4046356435369
Weight per Piece (excluding packing)	820.000 g
Custom tariff number	85176200
Country of origin	Germany

### Technical data

#### Note

Utilization restriction	EMC: class A product, see manufacturer's declaration in the download area
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#### Dimensions

Width	127 mm
Height	125 mm

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### Technical data

#### Dimensions

Depth	115 mm
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#### Ambient conditions

Degree of protection	IP20
Ambient temperature (operation)	-20 °C ... 55 °C (non-condensing)
Ambient temperature (storage/transport)	-20 °C ... 70 °C
Permissible humidity (operation)	10 % ... 95 % (non-condensing)
Permissible humidity (storage/transport)	10 % ... 95 % (non-condensing)

#### Interface expansion

Interface	Ethernet
No. of ports	2 (Per interface module)
Connection method	via interface module
Note on the connection method	Max. 4 interface modules
Transmission speed	10/100 Mbps (full duplex)
Transmission physics	multi-mode fiberglass
	Single-mode fiberglass
	POF-SCRJ
	GI-HCS fibers
	Copper
	PoE

#### Function

Basic functions	Extension module for Modular Managed Switch
Status and diagnostic indicators	LEDs for media modules

#### Supply voltage

Typical current consumption	via head station
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#### Conformity with EMC directives

Developed in acc. with standard	IEC 61000-6-2
Test standard	IEC 61000-4-2 (ESD)
Test result	Criterion B
Test standard	IEC 61000-4-3 (immunity to radiated interference)
Test result	Criterion A
Test standard	IEC 61000-4-4 (burst)
Test result	Criterion A
Test standard	IEC 61000-4-5 (surge)
Test result	Criterion A
Test standard	IEC 61000-4-6 (immunity to conducted interference)

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### Technical data

#### Conformity with EMC directives

Test result	Criterion A
Test standard	EN 55022 (emitted interference)
Test result	Class A

#### General

Mounting type	DIN rail
Type AX	Stand-alone
Net weight	650 g
Housing material	PA 6.6

#### Standards and Regulations

Electromagnetic compatibility	Conformance with EMC Directive 2004/108/EC
Noise emission	EN 61000-6-3/-4
Noise immunity	EN 61000-6-2:2005
Vibration (storage/transport)	5g, 150 Hz, in acc. with IEC 60068-2-6
Free from substances that could impair the application of coating	In acc. with VW specification
Vibration (operation)	in acc. with IEC 60068-2-6: 5g, 150 Hz

#### Environmental Product Compliance

REACH SVHC	Lead 7439-92-1
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### Classifications

#### eCl@ss

eCl@ss 4.0	27250500
eCl@ss 4.1	27250500
eCl@ss 5.0	19030100
eCl@ss 5.1	19030100
eCl@ss 6.0	19170100
eCl@ss 7.0	19170390
eCl@ss 8.0	19170390
eCl@ss 9.0	19170390

#### ETIM

ETIM 3.0	EC000734
ETIM 4.0	EC000734
ETIM 5.0	EC000309
ETIM 6.0	EC000309
ETIM 7.0	EC000309

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## Classifications

### UNSPSC

UNSPSC 6.01	31261501
UNSPSC 7.0901	31261501
UNSPSC 11	31261501
UNSPSC 12.01	43201410
UNSPSC 13.2	31261501
UNSPSC 18.0	43223108
UNSPSC 19.0	43223108
UNSPSC 20.0	43223108
UNSPSC 21.0	43223108

## Approvals

### Approvals

#### Approvals

UL Listed / cUL Listed / EAC / KC / EAC / cULus Listed

#### Ex Approvals

### Approval details

UL Listed		<a href="http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm">http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm</a>	FILE E 140324
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cUL Listed		<a href="http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm">http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm</a>	FILE E 140324
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EAC			EAC-Zulassung
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KC		<a href="http://eng.kcc.go.kr/user/ehpMain.do">http://eng.kcc.go.kr/user/ehpMain.do</a>	KCC-REI-PCK-FL298930
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### Approvals

EAC		RU *- DE.A*30.B.01735
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cULus Listed	
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### Accessories

#### Accessories

Data cable by the meter

FO cable - FL FOC PN-C-HCS-GI-200/230 - 2313410



PROFINET HCS GI fiber cables, duplex 200/230  $\mu\text{m}$ , increased bandwidth for Ethernet applications in particular. Robust PUR outer sheath. Heavy version suitable for drag chains and indoor installation, sold by the meter without plugs

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### Extension module

Media module - FL IF 2TX VS-RJ-F - 2832344



Interface module for connecting twisted pair cable, RJ45, connection direction forward

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Media module - FL IF 2TX VS-RJ-D - 2832357



Interface module for connecting twisted pair cable, RJ45, connection direction downward

## Extension module - FL FXT - 2989307

### Accessories

#### Media module - FL IF 2FX SC-F - 2832412



Fiber optic interface module for connecting 100 Base-FX multi-mode glass fibers (1300 nm), SC, connection direction forward

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#### Media module - FL IF 2FX SC-D - 2832425



Fiber optic interface module for connecting 100 Base-FX multi-mode glass fibers (1300 nm), SC, connection direction downward

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#### Media module - FL IF 2FX SM SC-D - 2832205



FO interface module for connecting 100 Base-FX single mode glass fibers (1300 nm), SC, connection direction downward

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#### Media module - FL IF 2FX ST-D - 2884033



Fiber optic interface module for connecting 100 Base-FX multi-mode glass fibers (1300 nm), ST, connection direction downward

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#### Media module - FL IF 2POF SCRJ-D - 2891084



Fiber optic interface module for connecting 100 Base-FX POF/PCF fibers (650 nm), SC-RJ, connection direction downward

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## Extension module - FL FXT - 2989307

### Accessories

Media module - FL IF 2PSE-F - 2832904



Interface module for connecting PoE twisted pair ports, RJ45, connection direction forward