

# Q.bloxx XL F100

## Optical UART Extension

Q.bloxx XL is a new addition to the Q.series product family - the ideal DAQ solution for widely distributed installations that require higher performance and custom sensor terminations. Q.bloxx XL products are packaged in modular, DIN Rail mountable enclosures that easily snap together for system expansion. Flexibility in distribution allows for highly synchronized data that is less prone to noise due to shorter sensor cable runs to the subject.

- RS485 fieldbus interface up to 48 Mbps: LocalBus, up to 115.2 kbps: Modbus-RTU, ASCII
- Electromagnetic Compatibility according to EN61000-4 and EN55011
- Connectable to Controller Q.station X
- Power supply 10 ... 30 VDC
- DIN rail mounting (EN60715)



### Key Features

- Baud Rate  
Up to 1.5 MBaud per second configurable in Q.station settings
- Optical Connector
- Transmission Distance  
up to 3800 m
- Fiber Type: Multimode-Duplex-Glassfibe  
50 or 62.5/125  $\mu$ m



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## Technical Data

### Optical Interface

Baud rate	0 to 1.5 Mbps
Display	Data LED and Power LED
Optical connector	ST-connector
Optical fiber type	Multimode-Duplex-Glassfiber 50 or 62.5/125 $\mu\text{m}$ (200/230 $\mu\text{m}$ possible-with-modification)
max Fiber distance	50/125 $\mu\text{m}$ typ. 3200m, min 1400m @ 3 dB/km 62.5/120 $\mu\text{m}$ typ. 3800m, min 2200m @ 3 dB/km

### Power Supply

Input voltage	10 to 30 VDC, overvoltage and overcurrent protection
Power consumption	approx.. 1.5 W

### Environmental

Operating temperature	0°C to +60°C
Storage temperature	-40°C to +70°C
Relative humidity	5 % to 95 % at 50°C, non-condensing

### Remarks

Warm-up time	Validity of all listed specifications are subject to a warm-up period of at least 45 minutes
	Specifications subject to change without notice

### Mechanical information

Material	Aluminum and ABS
Measurements (W x H x D)	30x 145 x 135mm
Weight	approx. 500 g

### Ordering Information

Article number	597433
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