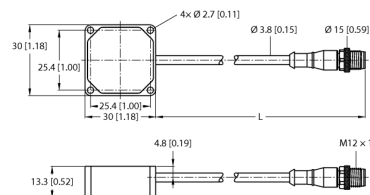


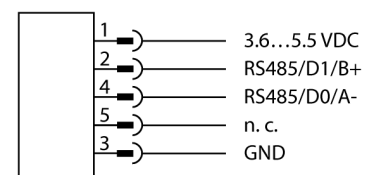
Vibration & Temperature Sensor With Serial Interface For Connecting to a DX80 Radio Node QM30VT1-QP



Type	QM30VT1-QP
ID	3807978
Wireless data	
Function	Vibration sensor
Device type	Sensor
I/O data	
Communication protocol	RS485
	Modbus RTU
Electrical data	
Operating voltage U_s	3.6...5.5 VDC
Mechanical data	
Design	Rectangular, QM30VT
Housing material	Aluminium, AL, Black-finished
Electrical connection	Cable with connector, M12 × 1, 0.15 m
Antenna connection	No radio participant
Ambient temperature	-40...+105 °C
Protection class	IP67
Tests/approvals	

- For detecting temperature and vibration values
- Robust aluminum housing
- Protection class IP67
- PVC cable, 150 mm, with male connector, M12 × 1, 5-pin
- Shock resistant up to 400 g
- BWA-BK-022 mounting plate kit included in delivery
- Temperature measuring range: -40... 105 °C
- Resolution: 1 °C
- Accuracy: ± 3 °C
- Vibration measuring range: 0...46 mm/s RMS
- Frequency range: 10...4000 Hz
- Accuracy: ± 10 % at 25 °C
- Operating voltage: 3.6...5.5 VDC
- Serial interface to connect a DX80 radio participant

Wiring Diagram



Functional principle

This sensor is especially designed for supply via FlexPower node. It features a lower power consumption and a short warm-up period.

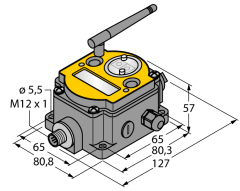
Accessories

Type code	Ident no.		Dimension drawing
BWA-BK-022	3810633	Mounting plate kit for QM30VT sensors, aluminum, screw set and self-adhesive foil included	

Function accessories

Type code	Ident no.		Dimension drawing
BWA-USB1WIRE-001	3079714	Converter cable, for connecting serial sensors in the M12FT...4Q, QM42VT1, K50UX1RA etc. series to the PC, supports baud rates 9600, 19200 and 38400 Bd, USB 2.0 Type A male connector to female connector, M12 x 1, 5-pin, supply: 5 V supply via USB for powering 1 sensor, total length: 1 m	
DX80N2Q45VT	3088439	Q45 wireless sensor, internal battery supply, protection class IP67, serial interface to connect a vibration and temperature sensor	
DX80N2X1S-P6	3018657	DX80 FlexPower nodes, internal battery supply, external antenna, protection class IP67, serial interface to connect a sensor	
DX80N2Q45U	3800203	Q45 wireless sensor, internal battery supply, protection class IP67, serial interface to connect various sensors	

Function accessories

Type code	Ident no.		Dimension drawing
DX80N2X6S-P6	3095667	DX80 nodes, 10...30 DC power supply, external antenna, protection class IP67, serial interface to connect a sensor	
DX80DR2M-H6	3014392	DX80 Data Radio, internal battery supply, external antenna, protection class IP67, serial interface to connect a sensor, RS485 interface to communicate via Modbus RTU	