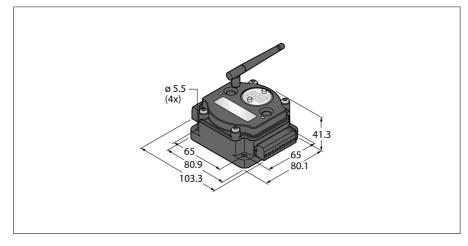


## Radio Transmission System Star Topology Gateway DX80G2M6S0P0M4M4C



DX80G2M6S0P0M4M4C

3083144

# Type designation Ident no.

m)		
m)		
m)		
LCIE 10 ATEX 1012 X		

- External antenna (RG58 RP-SMA connection)
- External terminal strip
- Integrated signal strength indicator
- Configuration via DIP switch
- Modbus RTU communication, RS485 interface
- Deterministic data transmission
- Frequency hopping FHSS
- Time Division Multiplex Access (TDMA)
- The BWA-HW-006 converter cable and the DX80 User Configuration Software are required for mapping inputs to outputs in the network
- Inputs: 4 x 0...20 mA
- Outputs: 4 x 0...20 mA
- Power consumption: < 60 mA at 24 VDC</p>

#### **Functional principle**

The DX80 system forms a radio-based network for wireless, bidirectional transmission of sensor signals in a star topology. It consists of a gateway that transmits the I/O signals to the control system and to as many as 47 nodes, with each node taking up to 12 sensors/actuators. The system is configured via the gateway with the included software. You can supply different components with DC voltage either via the power grid or self-sufficiently via battery or solar cell. Depending on the type of gateway used, simultaneous transmission of different measured and switching values is possible as well as communication via RS485 interface. **Norms:** 

FCC-ID UE300DX80-2400- This device complies with FCC para. 15, subpara. C, 15.247 ETSI/EN: In compliance with EN 300 328: V2.2.2 (2019-02)

#### IC: 7044A-DX8024

Radiation protection 10 V/m for 80–2700 MHz acc. to EN 61000-6-2

Shock and vibration resistance: IEC 68-2-6 and IEC 68-2-7



# Radio Transmission System Star Topology Gateway DX80G2M6S0P0M4M4C

### Accessories

Type code	Ident no.		Dimension drawing
SMBDX80DIN	3077161	Mounting panel for DIN rail, suited for CP80, DX80, K80, Q80, operating temperature: -2090 °C	M5 7.7 865 869 899

#### Function accessories

Type code	ldent no.		Dimension drawing
BWA-206-A	3081081	External antenna 6 dBi, N-female	29-0
BWA-208-A	3081080	External antenna 8.5 dBi, N-female	29 - 29 -
BWA-2O2-C	3077816	Internal antenna 2 dBi, RP-SMA male, standard	0 8 0 9,2 0 9,2 0 9,2
BWA-2O5-C	3077817	Internal antenna 5 dBi, RP-SMA male	0 7 0 235 235 90' 0 13



# Radio Transmission System Star Topology Gateway DX80G2M6S0P0M4M4C

### **Function accessories**

Type code	ldent no.		Dimension drawing
BWA-207-C	3077818	Internal antenna 7 dBi, RP-SMA male	e 13-
BWA-HW-006	3081325	Converter cable, RS485 to USB 2.0 converter, female, M12 × 1, 5-pin, male, USB type A, length 1 m; supplies the connected device with 10 V. An external power supply via a Y-splitter is recommended for the connected device	M18 x 1 64 H12 x 1 64 H12 x 1 420 H20