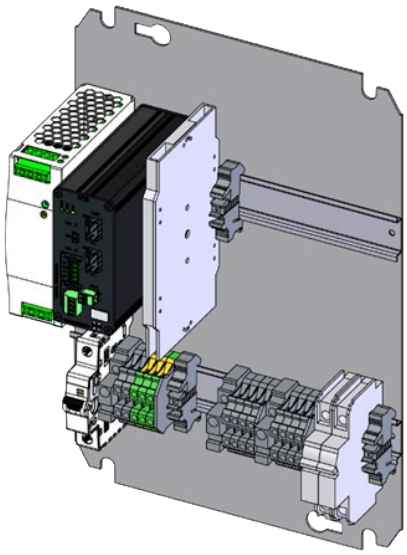
2 XDG 111

DIGITAL GATEWAY MODULE

ON A CARRIER PLATE FOR CONNECTION OF 2 DIGITAL TERMINAL DEVICES

The 2 XDG 111 digital gateway module is used to connect up to two digital INDUSTRONIC terminal devices via 2-wire technology.

The mechanical design on a carrier plate is suitable for direct installation in a junction box. Integrated terminal blocks enable easy connection of the installation cables.



- Connection of up to 2 digital INDUSTRONIC terminal devices via 2-wire technology
- 2 x SFP interfaces for redundant network connection
- Redundant connection of terminal devices to 2 different XDG gateway modules possible
- Wide-range AC power supply
- Integrated self-monitoring
- Permanent automatic monitoring of all connected terminal devices and connection cables
- Including all required fuses and terminal blocks, mounted on a carrier plate and pre-wired
- Configuration via INTRON-X management tools

DIGITAL GATEWAY MODULE 2 XDG 111

Type number	344-011-250

MECHANICAL DATA

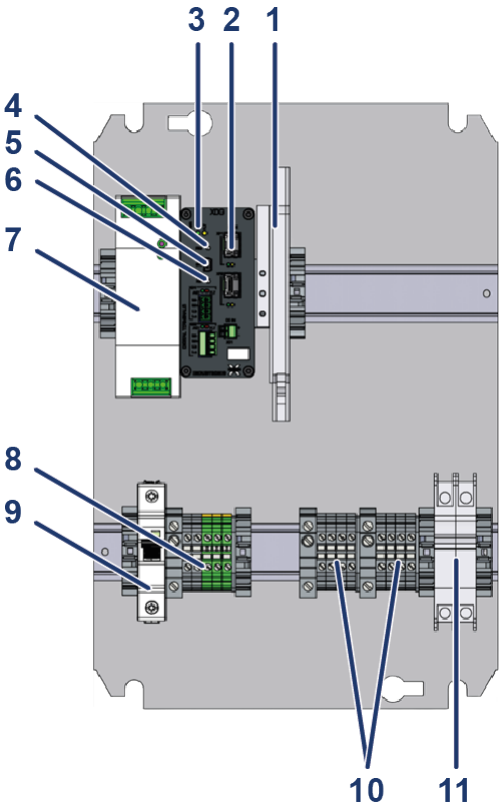
Mounting	Carrier plate with 2 DIN rails
Width x height x depth	250 mm x 375 mm x 145* mm (9.84" x 14.76" x 5.71")
Weight	Approx. 5 kg (approx. 11.02 lbs)

* To provide sufficient space for cabling, an additional depth of at least 35 mm (1.38") shall be provided for the junction box.

MAINS POWER SUPPLY

Operating voltage	88 V AC to 264 V AC
Frequency range	47 Hz to 63 Hz
Typical power consumption	12 W (2 terminal devices, no additional supply)
Maximum power consumption	150 W
Terminals	Max. 4 mm^2 (AWG 11)

FRONT 2 XDG 111



1	Splice cassette to accommodate up to 2 optical fibers
2	SFP ports
3	LEDs for operating status XDG 001
4	Service button
5	Service interface (Mini USB)
6	Reset button
7	AC/DC power supply
8	Terminals for mains power supply
9	On / off switch with AC input fuse
10	Terminals for two digital terminal devices incl. optional pair of wires
11	DC output fuses for additional power supply of the digital terminal devices

DIGITAL INTERFACES

Quantity	2 x 4 terminals, max. 4 mm² (AWG 11)
Transmission technology	Digital 2-wire interface (Up0)
Max. cable length	4 km (2.49 mi)
Power supply terminal devices	54 V DC, 100 mA
Additional power supply terminal devices	54 V DC, 1 A

NETWORK INTERFACES

Quantity	2 x SFP* via fiber optic splice cassette
Type	100Base-FX SFP port, IEEE 802.3
Requirements	IPv4 network
	Support of UDP, TCP, RTP and RTCP protocols
	Quality of Service (QoS) Ideal latency value < 20 ms (max. 50 ms) Jitter: max. 10 ms

* For more information on the SFPs, refer to “Accessories” on page 3.

SERVICE INTERFACE (SVC)

Quantity	1 x Mini USB

ENVIRONMENTAL REQUIREMENTS AND STANDARDS

Ambient temperature during operation	-25°C to +70 °C (-13 °F to +158 °F)
Storage temperature	-40°C to +85 °C (-40 °F to +185 °F)
Relative humidity (non-condensing)	Max. 95 %
Degree of protection	IP20
Operating altitude	Max. 2,000 m (6,562 ft) above sea level
Pollution degree	2 (according to EN 62368-1)
Electrical safety	EN 62368-1
EMC	EN 61000-6-2, EN 61000-6-4, EN 55032 Class B, EN 55035, EN 50130-4

ACCESSORIES

100Base-FX Multimode SFP, Duplex-LC connector, max. 2 km (1.24 mi), 50/125µm or 62.5/125µm fiber optic cable	070-028-130
100Base-FX Singlemode SFP, Duplex-LC connector, max. 20 km (12.43 mi), 9/125µm fiber optic cable	070-028-131

The SFPs are not included in the scope of delivery and must be ordered separately.

ACTIVATIONS

Please note: To commission the module, an INDUSTRONIC activation is required!

	ACT-X Interface Device
Description	Activation of one INTRON-X interface device
Type number	101-100-030