

Transmitter for Digital Signals Type G 5010 1106

Dupline®
Fieldbus Installationbus



- Single channel transmitter
- Contact input
- Input pulse prolongation
- Codeable LED output e.g. for feedback purposes
- Supplied by Dupline®, no external supply required
- Mini-E housing
- Direct wall or DIN-rail mounting
- Channel coding by GAP 1605

Product Description

Dupline®-powered single-channel transmitter in Mini-E housing with contact input. Especially well suited in places where no power supply is available. On the input, there is a built-in pulse-prolongation which ensures that even short input pulses are transmitted. Upon activation of the input

a short charge current pulse ensures that the contacts are kept clean. On the front of the module, there is a red LED which can be coded for any Dupline® channel address for indication of channel ON status. There are only 4 terminals on the module: 2 for Dupline® and 2 for the input.

Ordering Key

G 5010 1106

Type: Dupline®

Mini-E housing

Function

No. of channels

Input type

Type Selection

Supply

Supplied by Dupline®

Ordering No.
**1 channel
Contact**

G 5010 1106

Supply Specifications

Power supply

Current consumption
with LED OFF
with LED ON

Supplied by Dupline®

Typ. 450 µA
Typ. 1.2 mA

Input Specifications

Inputs

Open loop voltage
Short-circuit current
Operating time for signal "1"
Operating time for signal "0"
Contact resistance
Input pulse prolongation
Cable length
Dielectric voltage
Input - Dupline®

1 contact
2.5 VDC
17 µA
< 1 pulse train + 10 ms
< 1 pulse train + 500 ms
< 1 kΩ
min. 272 ms
< 3 m
None

General Specifications

Environment

Degree of protection
Pollution degree
Operating temperature
Storage temperature

IP 20
3 (IEC 60664)
-20° to +50°C (-4° to +122°F)
-50° to +85°C (-58° to +185°F)

Humidity (non-condensing)

20 to 80%

Mechanical resistance

Shock
Vibration

15 G (11 ms)
2 G (6 to 55 Hz)

Dimensions

Material

49 x 22.5 x 56 mm (L x W x H)
PC/ABS blend

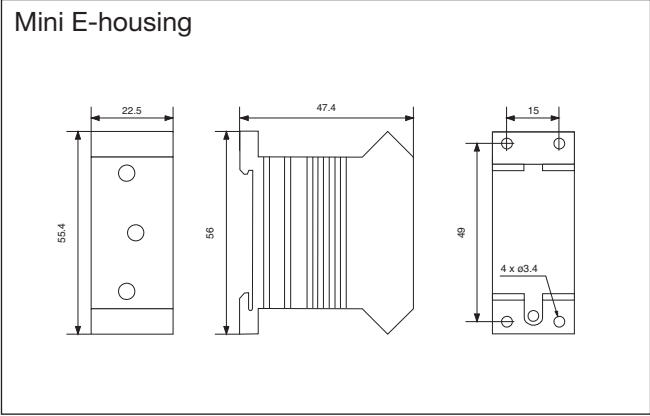
Mode of Operation

Dupline®-powered 1-channel transmitter with contact input. There is a built-in pulse-prolongation on the input to ensure that even short input pulses are transmitted. On the front of the module there is a red LED which can be coded to indicate the status of any Dupline®-channel. The input and the LED output can be coded individually by means of the code programmer GAP 1605. For details, please refer to the

respective data sheet. Please note that a special cable (GAP-TPH-CAB) is required to connect the GAP 1605 to the programming plug behind the front plate of G 5010 1106. The channel address for the input is selected under I/O-1 on the GAP 1605 and the channel address for the LED output under I/O-5.

If an address is assigned to I/O-3 or I/O-4, this address will be activated continuously.

Dimensions (mm)

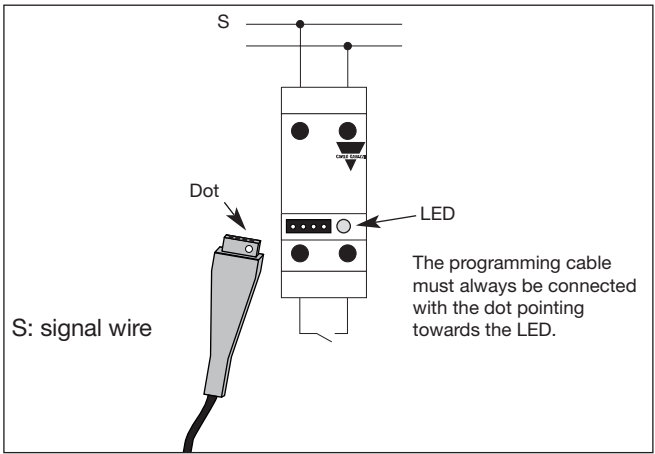


Accessories

Programming cable
to GAP 1605

GAP-TPH-CAB

Wiring Diagram



Mouser Electronics

Authorized Distributor

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