

Transmitter for Digital Signals Type G 5010 2206

Dupline®
Fieldbus Installationbus



- Dual channel transmitter
- Contact inputs
- 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 dual channel transmitter in Mini-E housing with contact inputs. Especially well suited in places where no power supply is available. On each input, there is a built-in pulse prolongation which ensures that even short input pulses are transmitted. Upon activation of an 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.

Ordering Key

G 5010 2206

Type: Dupline®
Mini-E housing
Function
No. of channels
Input type

Type Selection

Supply

Supplied by Dupline®

Ordering No. 2 channels Contact

G 5010 2206

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

2 contacts
2.5 VDC
17 µA
< 1 pulse train + 10 ms
< 1 pulse train + 500 ms
< 1 kΩ
min. 272 ms

Cable length
Dielectric voltage
Input - Dupline®

< 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

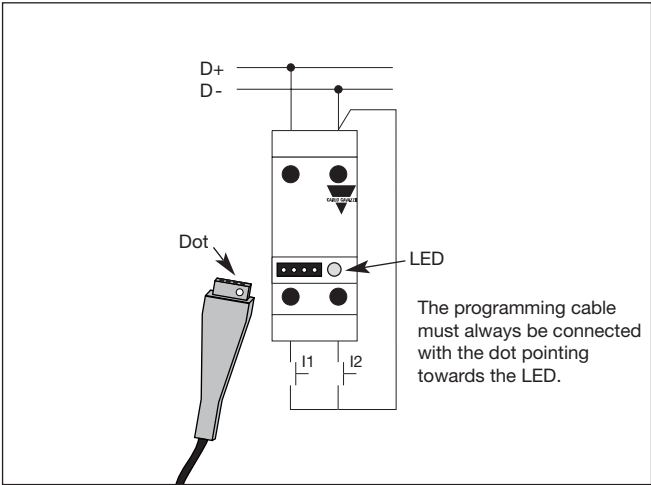
49 x 22.5 x 56 mm (L x W x H)
PC/ABS blend

Mode of Operation

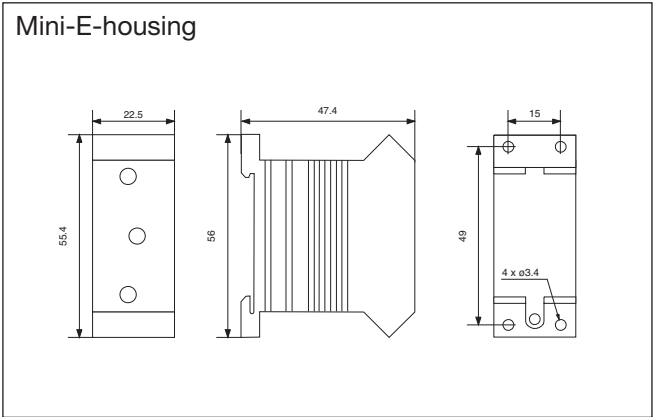
Dupline®-powered dual channel transmitter with contact inputs. There is built-in pulse prolongation on each input to ensure that even short input pulses are transmitted. The inputs and the LED output can be coded individually by means of the code programmer GAP 1605. For details, please refer to the 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 2206.

The channel address for the inputs is selected under I/O-1 and I/O-2 on the GAP 1605. If an address is assigned to I/O-3 or I/O-4, this address will be activated continuously. On the front of the module there is a red LED which can be coded to indicate the status of 2 Dupline® channels. The LED output can be an OR-function of the 2 inputs. This is achieved by assigning the same addresses to I/O-5 and I/O-6, as have been assigned to I/O-1 and I/O-2.

Wiring Diagram



Dimensions (mm)



Accessories

Programming cable
to GAP 1605
DIN-rail

GAP-TPH-CAB
FMD 411

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

Carlo Gavazzi:

[G7F-ADHA](#) [G50102206](#) [G7F-AT2A](#) [G7F-RTCA](#) [G7E-DR10A](#)