

Transmitter for Digital Signals Type G 3410 5501

CARLO GAVAZZI



- 8-channel monostable transmitter
- H4-housing
- For mounting on DIN-rail (EN 50022)
- Channel coding by GAP 1605
- Dupline® powered

Product Description

Dupline®-powered transmitter. Monostable function. Detects the states of 8 volt free contacts. Especially

suitable for applications in places where no power supply is available.

Ordering Key

G 3410 5501

Type: Dupline®
H4-housing
Transmitter
No. of channels
Input type

Type Selection

Supply	Ordering no. 8-channel contact
Powered by Dupline®	G 3410 5501

Supply Specifications

Power supply	Supply by Dupline®
Dupline® power consumption LED Not activated	Min. 400 µA Max. 700 µA
LED Activated	Min. 1.7 mA Max. 3.6 mA

Input Specifications

Inputs	
Open loop voltage	8 contacts
Short-circuit current	5.3 to 7.6 VDC
Operating time for signal "1"	17 µA
Operating time for signal "0"	≤ 1 pulse train + 10 ms
Contact resistance	≤ 1 pulse train + 110 ms
Cable length	≤ 1 kΩ
Dielectric Voltage inputs - Dupline®	≤ 3 m
	None

General Specifications

Power ON delay	typ. 2 s
Indication for Dupline® carrier	LED, yellow Note: Test that yellow LED can emit light when a connection is made between pin 23 and 24 and Dupline® is connected to the module.
Environment	
Degree of protection	IP 20
Pollution degree	3 (IEC 60664)
Operating temperature	-20° to +50°C (-4° to +122°F)
Storage temperature	-50° to +85°C (-58° to +185°F)
Humidity (non-condensing)	20 to 80%
Mechanical resistance	
Shock	15 G (11 ms)
Vibration	2 G (6 to 55 Hz)
Dimensions	
Material (see Technical Information)	H4-Housing
Weight	250 g

Mode of Operation

8-channel monostable transmitter with 8 contact inputs.

Each input may be coded individually by means of the code programmer GAP 1605. For details, please refer to the respective data sheet.

When pin 25 is activated, the

G3410 5501 transmits on the channel coded for input 1.

When pin 26 is activated, transmission takes place on the channel coded for input 2.

Transmission stops in spite of activated inputs if the Dupline® carrier is interrupted.

Test that yellow LED can emit light, when shortcut pin 23 and 24, and Dupline® is connected to the module.

- Terminals 2,4 and 24 are internally connected.
- Terminals 2,4 and 24 are common (minus).

Input connections

Input 1: terminals 24 & 25
 Input 2: terminals 24 & 26
 Input 3: terminals 24 & 27
 Input 4: terminals 24 & 28
 Input 5: terminals 4 & 5
 Input 6: terminals 4 & 6
 Input 7: terminals 4 & 7
 Input 8: terminals 4 & 8
 LED test terminals 23 & 24

Operation Diagram

Power supply

Input 1 (term. 25)

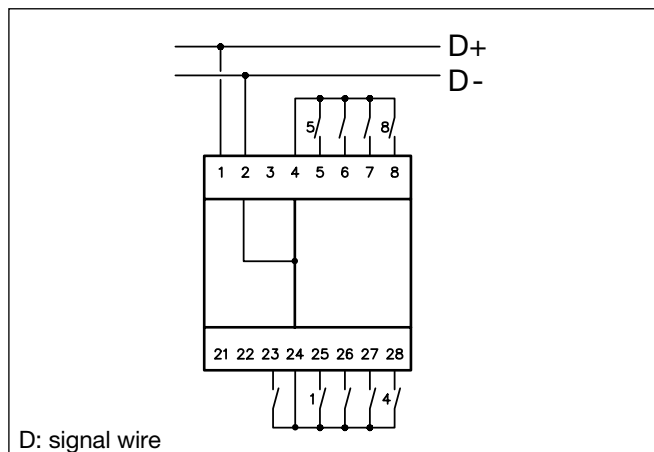
Transmission on chan. for input 1

Input 8 (term. 8)

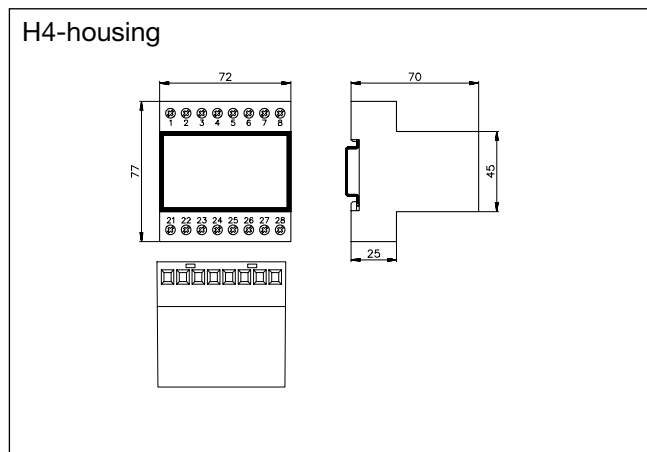
Transmission on channel for input 8

Wiring Diagrams

8 channels G 3420 5501 ...
 Contact input



Dimensions (mm)



Accessories

For further information, see "Accessories".

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