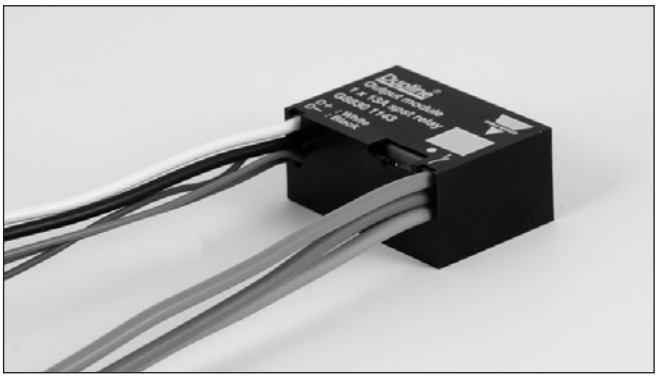
# Remote Transceiver
# Type G 8840 5549



- **Small sized transceiver**
- **Output load: 8 A/24 VDC**
- **Powered via Dupline®**
- **Address coding by GAP 1605**
- **3 contact inputs**
- **1 tamper module monitoring channel**

## Product Description

The Dupline® decentral transceiver has a build-in SPDT relay for control of a load of up to 8 A/24 VDC. The module is especially designed for use in prison applications where it allows a flexible installation concept featuring a separate power and signal (control) bus. The compact size of the module makes it possible to fit it in a cell door application.

## Ordering Key

**G 8840 5549**

**Type: Dupline®**
**Housing**
**Transceiver**
**No. of channels/in- and outputs**
**Output type**

## Type Selection

| **Ordering no.**<br>**5 channels**<br>**8 A/24 VDC** |
|---|
| **G 8840 5549** |

## Output Specifications

| | |
|---|---|
| **Output** | 1 SPDT relay |
| Contact ratings (Ag/Ni 90/10 ) | µ (micro gap) |
| Resistive load | 8 A/24 VDC |
| Mechanical lifetime | > $2x10^6$ operations |
| Electrical lifetime | > $1x10^6$ operations/24 VDC 2A<br>> $1x10^5$ operations/24 VDC 8A |
| Minimum load (recommended) | 10 mA/12 V |
| **Operating frequency** | ≤ 60 operations/minute |
| **Response time** | 1 pulse train |

## Supply Specifications

| | |
|---|---|
| **Supplied by Dupline®** | |
| Normal consumption | ≤ 1.6 mA |
| Charge consumption | ≤ 3.1 mA (for max 1 s after relay state change) |
| Power-on delay | Typ. 2 s |
| Power-off delay | ≤ 1 s |

## Input Specifications

| | |
|---|---|
| **Inputs** | 3 contacts + one tamper channel (I/O 5-8) |
| Open loop voltage | 2 to 3 VDC |
| Short-circuit current | 25 µA |
| Operating time for signal "1" | ≤ 1 pulse train + 10 ms |
| Operating time for signal "0" | ≤ 1 pulse train + 110 ms |
| Contact resistance | ≤ 1 kΩ |
| Cable length | ≤ 3 m |
| Dielectric Voltage | |
| Inputs - Dupline® | None |
| Inputs - Output | ≥ 200 VAC (rms) |
| Dupline® - Output | ≥ 200 VAC (rms) |

## General Specifications

| | |
|---|---|
| **Environment** | |
| Pollution degree | 3 (IEC 60664) |
| Operation temperature | 0° to +50°C (32° to 122°F) |
| Storage temperature | -50° to +85°C (-58° to 185°F) |
| **Humidity** (non-condensing) | 20 to 80% |
| **Housing** | |
| Material | Noryl GFN 1, black |
| Dimensions (h x w x d) | 26 x 39 x 17 mm |

## Mode of Operation

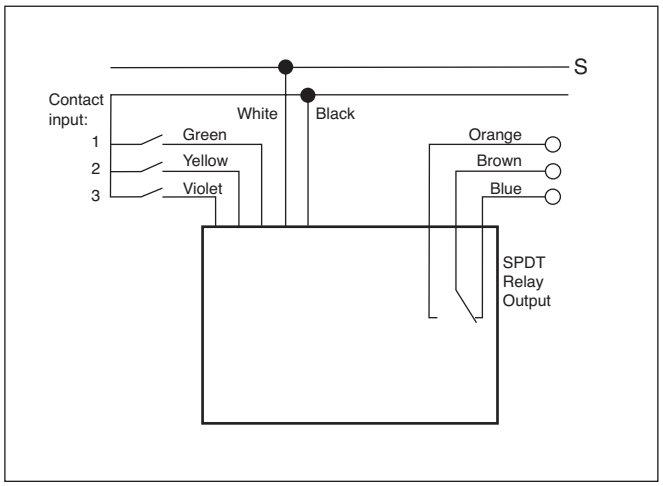
The in- and output addresses and fail-polarity may be coded by means of the code programmer GAP 1605, with GAP-THP-CAB cable.
Upon loss of the Dupline® carrier, the output goes to the predefined fail-polarity.
The three contact inputs are located on in/out 5, 6 and 7 on the GAP 1605.

**Tamper channel:** If a channel is programmed on in/out 8, it will be transmitted as long as the module is connected to Dupline.

## Wire Connections

| | |
|---|---|
| **Bus:** | White = Dupline® signal<br>Black = Dupline® GND |
| **Output:** | Brown - Blue = Relay contact-set NC<br>Brown - Orange = Relay contact-set NO |
| **Bus wires:** | 2 x 0.75 $mm^2$,<br>250 V isolation, single core, 150 mm |
| **Output wires:** | 3 x 1.5 $mm^2$ ,<br>250 V isolation, single core, 150 mm |
| **Input wires:** | 3 x 0.25 $mm^2$ ,<br>Multi core, 150 mm |

## Wiring Diagram

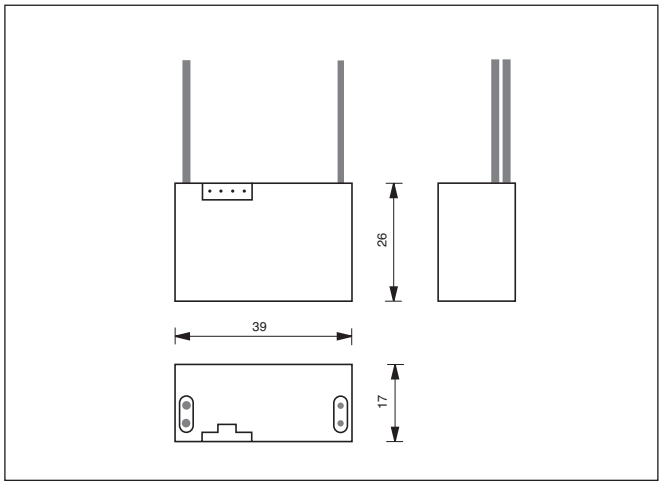



## Channel Configuration

On GAP 1605 the in/out configuration is as follows:

| | |
|---|---|
| **In/out 1:** | Relay output. |
| **In/out 5:** | Contact input 1. Green wire. |
| **In/out 6:** | Contact input 2. Yellow wire. |
| **In/out 7:** | Contact input 3. Violet wire. |
| **In/out 8:** | Tamper channel (built-in) |

## Dimensions



# X-ON Electronics

Largest Supplier of Electrical and Electronic Components

***Click to view similar products for*** I/O Modules ***category:***

***Click to view products by*** Carlo Gavazzi ***manufacturer:***

Other Similar products are found below :

70L-IDC5S 70L-OAC-L 70Z3289-4 G21960000700 G21960002700 G34960002700 G88104401 OACU C4SWOUT PB16H G34960001700 G3TA-OA101SZ-1 DC24 G77-S G78-16-E DA5 IDC5P FC6A-N16B1 6421 70MRCQ32-HL G3TAOD201SDC24 C200H-LK201-V1 G3TA-OA202SZ-US DC12 GT1-OD16 GT1-AD04CST GT1-DA04 B7AM-6BS 70GRCQ24-HS 6422 84110410 GT1-OD16MX G7VC-OC16-B7 70MRCK24-DIN 6202 6402 PI/NI-2D/24 FC6A-J2C1 FC6A-KC1C FC6A-R081 FC6A-J8CU1 GP32900003700 641-480-5022 PB16H 84145010 84110210 FRUSB1601 PCL-720+-BE AP24MX3DB25F ADAM-5053S-AE WISE-S614-A C200H-OD211