Dupline Separator
Type G 3282 2002

- **Separates primary and secondary side of Dupline®, if a short circuit is detected**
- **Uses 2 channels**
- **Channel coding by GAP 1605**
- **H2 Housing**
- **For mounting on DIN-rail in accordance with EN 50 022**

Product Description

The G3282 2002 is a Dupline® bus separator, which can detect short circuits on the Dupline® bus. When a short circuit is detected, it disconnects the secondary side of the Dupline® bus.

The Dupline® bus separator is part of the smarthouse concept. It is designed to be used in installations where one MGG is used to control/monitor several apartments. If a short circuit appears, only the faulty part of the Dupline® bus will be disconnected from the Dupline® bus.

Ordering Key

G 3282 2002 230

- **Type: Dupline®**
- **H2 Housing**
- **Surveillance unit**
- **2 channels**
- **Voltage**
- **Supply**

Type Selection

Supply:	Ordering no.
230 V	**G 3282 2002 230**

Output Specifications

1 output	
Dupline® out	Dupline®
Load	50 mA

Note: The separator works in installations with a max cabel resistance on maximum 200 Ω. This is aproximately 2000 meter with the use of 0.75 mm² wire.

Supply Specifications

Supply	230 VAC
Power Consumption	Typ. 2.5 W

General Specifications

Power supply	230 VAC ± 15% Galvanic separation from Dupline® Bus
Power consumption	2.2 VA
Dupline®	Dupline®
Dimensions	36 x 77 x 70

General Specifications (cont.)

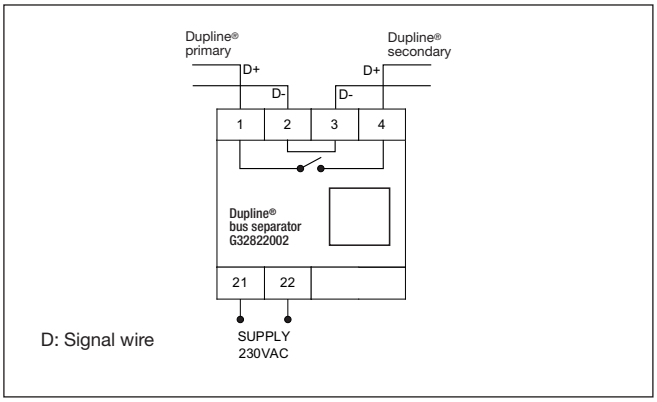
Housing	H2-housing
Output settling time / total delay	< 2 sec.
Indication	
Dupline® on short (secondary side)	Red
Supply ON LED	Green
Dupline® carrier LED (primary side)	Yellow
Relay data	
Contact maximum switching current	3A
Contact resistance	< 100 mΩ (measuring conditions 10 mA/20mV)
Max. Switching voltage	250 VAC
Contact material	Silver, nickel, gold-covered
Addressing	GAP1605
Environment	
Degree of protection	IP 20
Pollution degree	3 (IEC 60664)
Operating temperature	0° to +50°C
Storage temperature	-20° to +85°C
Humidity (non-condensing)	20 to 80% RH
Weight	200 g

Dupline® I/O

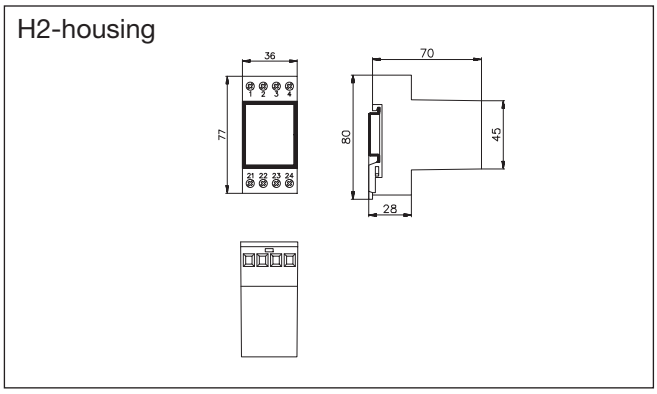
I/O1 is an input, which will transmit on the primary side when a short circuit occurs on the secondary side of the seperator.

I/O5 is an output on the secondary side of the separator. If the load on the Dupline® bus is to high, the Dupline® address on I/O5 is activated and the relay opens.

Wiring Diagram



Dimensions (mm)



Mode of operation

G 3282 2002 230 is a Dupline® bus separator for short circuit detection and signal disabling.

The primary side of the system is connected to the main Dupline® signal.

The Dupline® net which has to be monitored for short circuit detection, is connected to the secondary side of the system.

The system will disable the secondary side if the Dupline® bus is short-circuited. When the short circuit is located and removed the G 3282 2002 230 will automatically close the relay and go to normal position.

When the system detects a short circuit on the secondary side it will transmit on the channel programmed for I/O 1, on the primary side.

I/O 5 is the monitored channel on the secondary side and has to be programmed to a legal channel that is never used in the Dupline® installation. This is part of the short circuit detection.

If the system is used with a master generator, the address programmed for I/O 5 has to be set as a push-button. If more than one Dupline® bus separator is used on the same Dupline® bus, each of the separations must have its own unique I/O 1 address. I/O 5 can use a common Dupline® address, but must be assigned.

Note: If a Gap is connected to the G 3282 2002 230 it will disable the Dupline® out signal.

Operation information:
If the primary Dupline® bus is disconnected, the relay is in a undefined position for approx. 2 sec. The relay will open and close with 1 kHz.