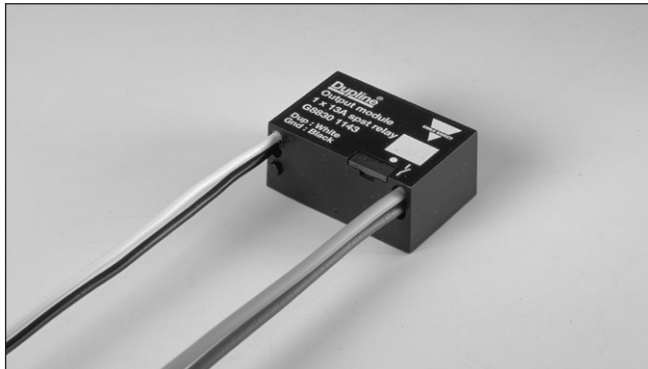


Remote Relay Output Type G 8830 1143



- Small sized single relay output
- Load: 13 A/250 VAC
- Withstands 130A inrush current
- Powered via Dupline®
- Address coding by GAP 1605

Product Description

The Dupline® decentral receiver has a build-in SPST relay for control of a load of up to 13 A/250 VAC. The module is especially designed for the use in building automation 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 junction box or directly behind a power outlet.

Ordering Key

G 8830 1143

Type: Dupline® _____
 Housing _____
 Receiver _____
 No. of channels _____
 Output type _____

Type Selection

Ordering no.
 1 channel
 13 A/250 VAC

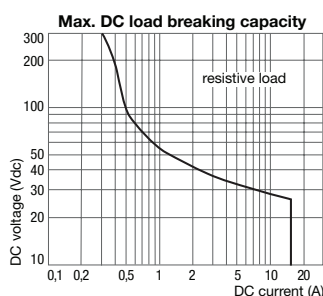
G 8830 1143

Output Specifications

Output	1 SPST relay
Contact ratings (AgSnO ₂)	μ (micro gap)
Resistive load	AC 1 13 A/250 VAC
Minimum load (recommended)	100 mA/12 V
Lifetime	see table to the right
Operating frequency	≤ 60 operations/minute
Response time	1 pulse train

Relay data VDC

Supply	Max. current (A)
250 VDC	350 mA
100 VDC	500 mA
50 VDC	1,1 Amp
24 VDC	13 Amp



Relay data VAC

Load	Typical number of operations
250 V, 12 A, cos φ = 1	1.0 x 10 ⁵
250 V, 8 A, cos φ = 1	3.5 x 10 ⁵
250 V, 4 A, cos φ = 1	5.0 x 10 ⁵
250 V, 3 A, cos φ = 1	7.5 x 10 ⁵
230 V, 550 W filament lamps I _{in} ≤ 40 A _{peak} I _{off} = 2.5 A	2.0 x 10 ⁵
230 V, 1000 W filament lamps I _{in} ≤ 71.5 A _{peak} I _{off} = 4.5 A	7.0 x 10 ⁴
230 V, 900 W fluorescent tubes (25 x 36 W) parallel compensated, 30 μF	1.0 x 10 ⁴
230 V, compressor I _{in} ≤ 21 A _{peak} I _{off} = 3.5 A cos φ = 0.5	1.7 x 10 ⁵
250 V, 8 A, cos φ = 0.3	1.0 x 10 ⁵

Supply Specifications

Supplied by Dupline[®]	
Normal consumption	≤ 1,1 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
Power dissipation at max. load	0.7 W

Insulation Voltage

Live parts - Dupline[®]	4 kVAC rms (6 mm)
Enclosure - Live parts	2 kVAC rms (3 mm)
Enclosure - Dupline[®]	2 kVAC rms (3 mm)

General Specifications

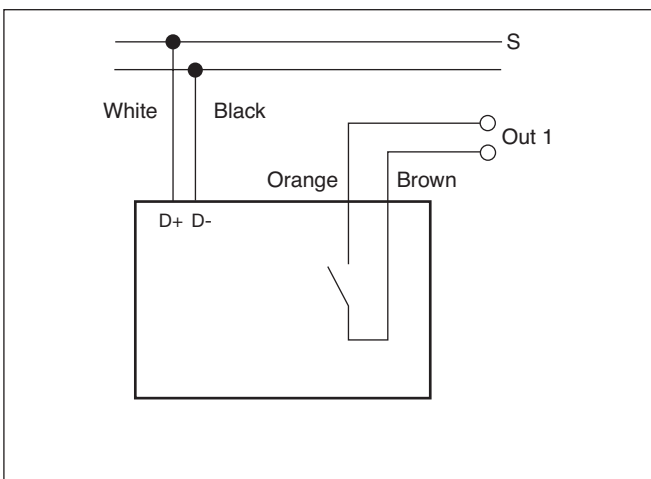
Fail-safe mode	In case of interruption of the Dupline [®] connection, the channel will be forced into a specific optional status as either active high or active low.
Environment	
Pollution degree	3 (IEC 60664)
Operation temperature	-20° to +50°C (-4° to 122°F)
Storage temperature	-50° to +85°C (-58° to 185°F)
Humidity (non-condensing)	20 to 80%
Housing	
Material	Noryl GFN 1, black
Dimensions (h x w x d)	26 x 39 x 17 mm

Mode of Operation

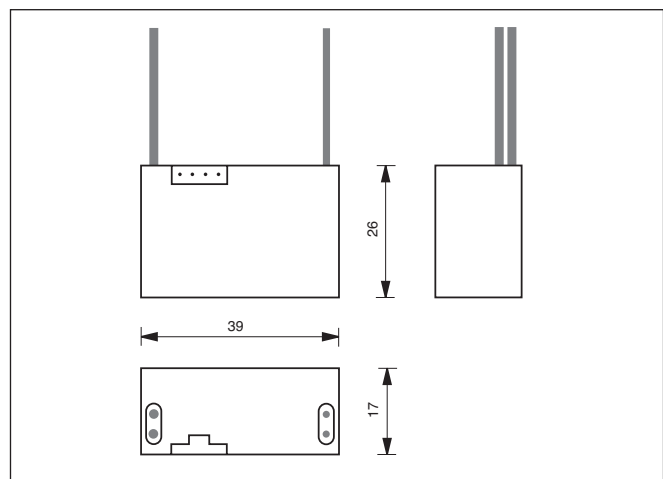
The output address and fail-polarity may be coded by means of the code programmer GAP 1605, with GAP-THP-CAB cable.

Upon loss of Dupline[®] carrier the output goes to the predefined fail-polarity.

Wiring Diagrams



Dimensions



Wire Connections

Bus:	White = Dupline [®] signal, D+
	Black = Dupline [®] negative, D-
Output:	Brown = Relay contact set
	Orange = Relay contact set
Bus wires:	2 x 0,75 mm ² , 250 V isolation, single core, 150 mm
Output wires:	2 x 1,5 mm ² , 250 V isolation, single core, 150 mm

Accessories

Programming cable to GAP 1605	GAP-TPH-CAB
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