Receiver for Digital Signals
Type G 3830 5543

Product Description
Dupline® receiver. SPST relay outputs for control of 8 loads of up to 250 VAC/5 A.

Ordering Key
Type: Dupline®
H8-housing
Receiver
No. of channels
Output type
Power supply

Type Selection

Supply

Ordering no.
8 channels
5 A/250 VAC

Supply Specifications

Power supply AC types
Rated operational voltage
through term. 21 & 22
230 VAC
115 VAC
024
Frequency
45 to 65 Hz
Voltage interruption
≤ 40 ms
Rated operational power
Typ. 7.0 VA
Rated impulse withstand voltage
230 V
115
024
Dielectric voltage
Supply - Dupline®
≥ 4 kVAC (rms)
Supply - Outputs
≥ 4 kVAC (rms)

Power supply DC type
Rated operational voltage
through term. 21 & 22
24 VAC
15 to 30 VDC
Ripple
≤ 3 V
Reverse-polarity protection
Yes
Rated operational power
≤ 1.5 W
Power dissipation
≤ 1 A
Inrush current
≤ 1 A
Rated impulse withstand voltage
800 V
Dielectric voltage
Supply - Dupline®
≥ 200 VAC (rms)
Supply - Inputs
≥ 4 kVAC (rms)
Supply - Outputs
≥ 4 kVAC (rms)

Output Specifications

8, SPST relays
Mechanical lifetime
(8 x 1)
Electrical lifetime
at max. load
AC 1
≥ 30 x 10^6 operations
≥ 2.0 x 10^5 operations
Operating frequency
≤ 7200 operations/h
Dielectric voltage
Supply - Dupline®
≥ 4 kVAC (rms)
Response time
1 pulse train

Specifications are subject to change without notice (08.10.2007)
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General Specifications

Output OFF delay upon loss of Dupline® carrier: ≤ 20 ms
Power ON delay: Typ. 2 s

Indication for
Supply ON: LED, green
Dupline® carrier: LED, yellow
Output ON: LED, red (one per output)

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) H8-housing

Weight: 800 g

Mode of Operation

8-channel receiver with 8 normally open contact outputs. Each output may be coded individually by means of the code programmer GAP 1605. For details, please refer to the respective data sheet.

The default setting of the module is such that upon loss of Dupline® carrier all the outputs go off.

Output connections
- Output 1: terminals 29 & 30
- Output 2: terminals 31 & 32
- Output 3: terminals 33 & 34
- Output 4: terminals 35 & 36
- Output 5: terminals 9 & 10
- Output 6: terminals 11 & 12
- Output 7: terminals 13 & 14
- Output 8: terminals 15 & 16

Operation Diagram

Power supply
Dupline® carrier
Transmission on channel for output 1
Output 1 (term. 29 & 30)
Transmission on chan. for output 2
Output 2 (term. 31 & 32)

Wiring Diagram

Dimensions (mm)

H8-housing

Accessories

DIN-rail FMD 411

For further information see "Accessories".

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