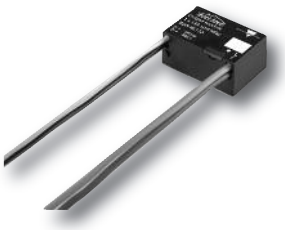
Remote Relay Output

BDA-RE13A

Small sized single relay output
Load: 13 A/250 VAC
Withstands 13 A inrush current
Powered via smart-house
Address coding by BGP-COD-BAT
Delivered with pre-programmed address on I/O 1

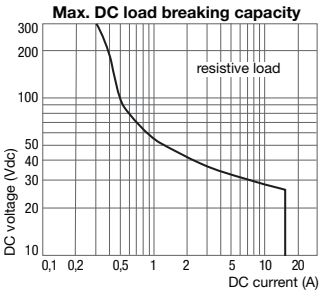


OUTPUT SPECIFICATIONS

Output	1 SPST relay
Contact ratings (AgSnO2)	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 105
250 V, 8 A, cos φ =1	3.5 x 105
250 V, 4 A, cos φ =1	5.0 x 105
250 V, 3 A, cos φ =1	7.5 x 105
230 V, 550 W filament lamps Iin ≤ 40 Apeak Ioff = 2.5 A	2.0 x 105
230 V, 1000 W filament lamps Iin ≤ 71.5 Apeak Ioff = 4.5 A	7.0 x 104
230 V, 900 W fluorescent tubes (25 x 36 W) parallel compensated, 30 µF	1.0 x 104
230 V, compressor Iin ≤ 21 Apeak Ioff =3.5 A cos φ = 0.5	1.7 x 105
250 V, 8 A, cos φ = 0.3	1.0 x 105

GENERAL SPECIFICATIONS

Channel programming	BGP-COD-BAT
Channel assignment	one channel freely programmable **I/O 1: pre-programmed to address N8**
Fail-safe mode	In case of interruption of the smart-house 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

SUPPLY SPECIFICATIONS

Supplied by smart-house bus	
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 - smart-house	4 kVAC rms (6 mm)
Enclosure - Live parts	2 kVAC rms (3 mm)
Enclosure - smart-house	2 kVAC rms (3 mm)

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MODE OF OPERATION

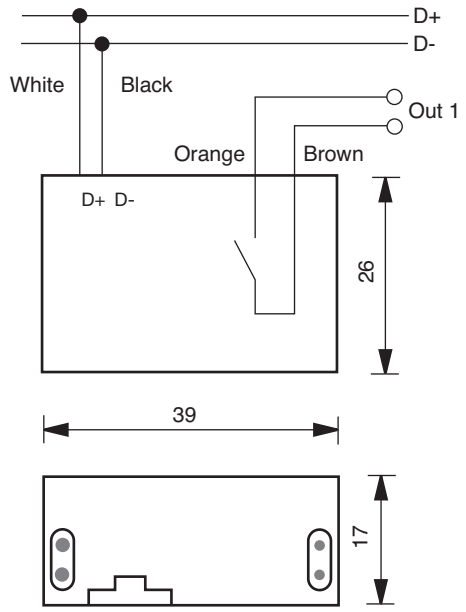
The output address and fail-polarity may be coded by means of the code programmer BGP-COD-BAT, with GAP-THP-CAB cable.

Upon loss of smart-house carrier the output goes to the predefined fail-polarity.

TYPE SELECTION

Supply	*Ordering no.*
13A/250 VAC	BDA-RE13A

WIRING DIAGRAM / DIMENSIONS



WIRE CONNECTIONS

Bus:	White = smart-house signal, D+ Black = smart-house negative, D-
Output:	Brown = Relay contact set Orange = Relay contact set
Bus wires:	2 x 0,75 mm², 250 V isolation, single core, 150 mm
Output wires:	2 x 1,5 mm², 250 V isolation, single core, 150 mm

ACCESSORIES

Programming cable to BGP-COD-BAT	GAP-TPH-CAB