Screwless Relay Terminal Block (16-point)

ABL Series

CATALOG

For your safety, read and follow the considerations written in the instruction manual, other manuals and Autonics website.
The specifications, dimensions, etc. are subject to change without notice for product improvement. Some models may be discontinued without notice.

Features

- Selectable between independent, power common input, and load common output with use of jumper bar
- High tensile force and easy wiring with one-touch screwless type terminal
- Easily check of operation status with operation indicator (blue)
- DIN rail mounting
- Relay protection with the cover
- Easy relay replacement with the relay ejector

Product Components

- Product
- 8-pin 10.2 mm pitch jumper bar (JB-10.2-08L) × 2
- Instruction manual
- Ejector

Specifications

Model	ABL-H16R6-□
Applied relay 01)	G6B-1174P-FD-US [OMRON]
Output method	1a
Power supply	24 VDC⎓ ±10 %
Current consumption 02)	≤ 20 mA
Rated load voltage & current 03) 04)	250 VAC~ 3 A, 30 VDC⎓ 3 A
No. of connector pin	20
Connector for controller side	20-pin Hirose (HIF3BA-20PA-2.54DSA)
Terminal type	Screwless
Terminal pitch	≥ 7.8 mm
Indicator	Power indicator: red, operation indicator: blue
Varistor	None
Input logic	NPN / PNP model
Material	CASE, BASE: MPPO, terminal block, cover: PC
Approval	CE cULus EAC
Unit weight (packaged)	≈ 348 g (≈ 446 g)

01) For the detailed information about each relay, please refer to 'Power Relay' or data sheet from the manufacturer.
02) It is current consumption for a relay including LED current.
03) This value is rated with resistive load.
04) When connecting loads to output part, please connect loads of same power type.
Connecting loads of different power type may cause safety issues.

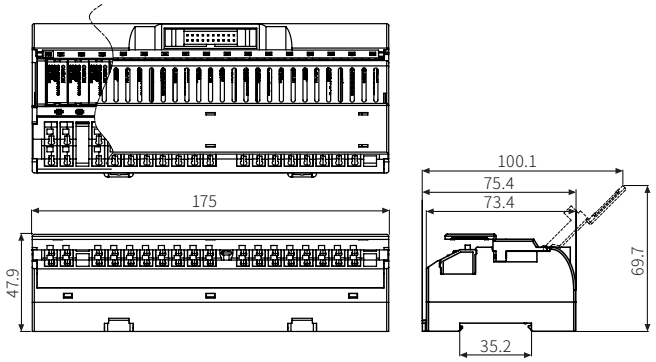
Insulation resistance	≥ 1,000 MΩ (500 VDC⎓ megger)
Dielectric strength (coil-contact)	3,000 VAC~ 50/60 Hz for 1 minute
Dielectric strength (same polarity contact)	1,000 VAC~ 50/60 Hz for 1 minute
Vibration	1.5 mm amplitude at frequency 10 to 55 Hz (for 1 min) in each X, Y, Z direction for 2 hours
Vibration (malfunction)	1.5 mm amplitude at frequency 10 to 55 Hz (for 1 min) in each X, Y, Z direction for 10 minutes
Shock	1,000 m/s² (≈ 100 G) in each X, Y, Z direction for 3 times
Shock (malfunction)	100 m/s² (≈ 10 G) in each X, Y, Z direction for 3 times
Ambient temperature	-15 to 55 °C, storage: -25 to 65 °C (no freezing or condensation)
Ambient humidity	35 to 85 %RH, storage: 35 to 85 %RH (no freezing or condensation)
Protection structure	IP20 (IEC standard)

Applicable wire - solid 01)	Ø 0.6 to 1.25 mm
Applicable wire - stranded 01) 02)	AWG 22-18 (0.30 to 0.80 mm²)
Stripped length	8 to 10 mm

01) Use the cable of copper conductor in 60 °C temperature class.
02) When using the stranded wire, use End Sleeve (wire ferrule).

Dimensions

- Unit: mm, For the detailed drawings, follow the Autonics website.



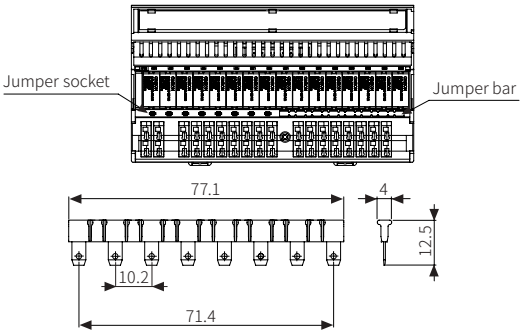
CE cULus EAC

Sold Separately

- 8-pin 10.2 mm pitch jumper bar (JB-10.2-08L)
- I/O cable

10.2 mm Pitch Jumper Bar (JB-10.2-08L)

1. Using a nipper, cut the notches on the jumper bar as much as you need.
2. Insert the jumper bar at the jumper socket you need.



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