

# Interface Terminal Block



## AFS 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

- Compact interface terminal blocks with 7 mm terminal pitch
- Optimized for connector type PLCs and input/output of dedicated controllers
- Compact, space-saving design
- DIN rail mount and screw mount methods

### Ordering Information

This is only for reference, the actual product does not support all combinations. For selecting the specified model, follow the Autonics website.

AFS - H ① ②

#### ① Terminal block arrangement

No-mark: single line  
B: double line

#### ② The number of connector pin

20: 20-pin  
26: 26-pin  
40: 40-pin  
50: 50-pin

### Product Components

- Product
- Instruction manual

### Specifications

Model	AFS-H20	AFS-H26	AFS-H40	AFS-HB40	AFS-H50
The number of connector pin	20	26	40	40	50
The number of terminal	20	26	40	40	50
Terminal type	Screw	Screw	Screw	Screw	Screw
Terminal block arrangement	Single line	Single line	Single line	Double line	Single line
Terminal pitch	7.0 mm	7.1 mm	7.0 mm	7.2 mm	7.0 mm
Connector for controller side	20-pin Hirose (HIF3BA-20PA-2.54DSA)	26-pin Omron (XG4A-2631)	40-pin Hirose (HIF3BA-40PA-2.54DSA)	40-pin Omron (XG4A-4031)	50-pin Hirose (HIF3BA-50PA-2.54DSA)
Material	Case, Base: MPPO, terminal: brass	Case, Base: PC, terminal: brass	Case, Base: MPPO, terminal: brass	Case, Base: PC, terminal: brass	Case, Base: MPPO, terminal: brass
Approval	CE  ENEC EAC	CE  ENEC EAC	CE  ENEC EAC	CE  ENEC EAC	CE  ENEC EAC
Unit weight (packaged)	≈ 71 g (≈ 103 g)	≈ 93 g (≈ 133 g)	≈ 133 g (≈ 175 g)	≈ 142 g (≈ 194 g)	≈ 163 g (≈ 211 g)

Rated voltage <sup>01)</sup>	≤ 125 VDC⇐, 125 VAC~ 50/60 Hz
Rated current	≤ 1 A
Insulation resistance	≥ 1,000 MΩ (500 VDC⇐ megger)
Dielectric strength	2,700 VAC~ 50/60 Hz for 1 minute
Vibration	0.75 mm amplitude at frequency of 10 to 55 Hz (for 1 minute) in each X, Y, Z direction for 2 hours
Vibration (malfunction)	0.75 mm amplitude at frequency of 10 to 55 Hz (for 1 minute) in each X, Y, Z direction for 10 minutes
Shock	150 m/s <sup>2</sup> (≈ 15 G) in each X, Y, Z direction for 3 times
Shock (malfunction)	100 m/s <sup>2</sup> (≈ 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)

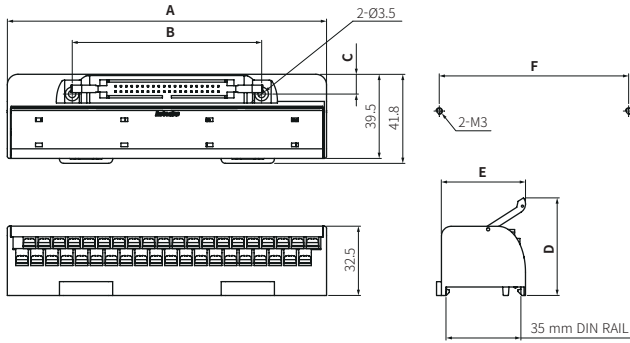
01) When connecting loads to output part, connect loads of same power type. Connecting loads of different power type may cause safety issues.

Applicable wire - solid	Ø 0.3 to 1.2 mm
Applicable wire - stranded	AWG 22-16 (0.30 to 1.25 mm <sup>2</sup> )
Crimp terminal connection tensile strength	≥ 30 N
Tightening torque	0.5 to 0.6 N·m

## Dimensions

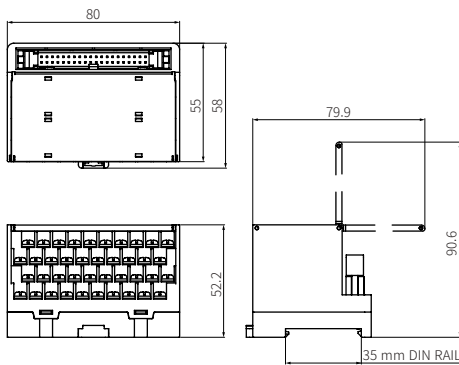
• Unit: mm, For the detailed dimensions of the product, follow the Autonics web site.

### ■ Single line



	A	B	C	D	E	F
<b>20-pin</b>	80	62.5	9.3	45.8	39.6	62.5
<b>26-pin</b>	102	81	9.3	52.8	29.7	81
<b>40-pin</b>	150	89	9.3	45.8	39.7	89
<b>50-pin</b>	184	104	8.8	45.8	39.7	104

### ■ Double line

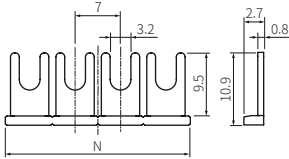


## Sold Separately

- 7 mm jumper bar (4-pin: JB-7-04, 10-pin: JB-7-10)
- I/O cable

### Sold Separately: 7 mm Pitch Jumper Bar

1. Using a nipper, cut the notches on the jumper bar as much as you need.
2. Loosen the screws which are needed to be common.
3. Insert the jumper bar under the loosen screws.
4. Tighten the screws.



Model	The number of jumper pin	N
JB-7-04	4	27.5
JB-7-10	10	69.5

7.2 mm pitch jumper bar is not sold from Autonics. If it is needed, purchase jumper bar of 7.2 mm pitch from other manufacturer.