

Common Terminal Block



ACS 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.

Main Features

- Compact common terminal blocks with 7 mm terminal pitch
- No jumper bars required due to built-in common PCB
- For use as power supply expansion terminals
- 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.

ACS - ① ② ③

① Terminal block arrangement

No-mark: single line

B: double line

② The number of connector pin

20: 20-pin

40: 40-pin

50: 50-pin

③ Common type

L: Left + COM, Right - COM

T: Top + COM, Bottom - COM

Product Components

• Product

• Instruction manual

Specifications

Model	ACS-20 □	ACS-40 □	ACS-B40 □	ACS-50 □
The number of terminal	20	40	40	50
Terminal type	Screw	Screw	Screw	Screw
Terminal block arrangement	Single line	Single line	Double line	Single line
Terminal pitch	7.0 mm	7.0 mm	7.2 mm	7.0 mm
Material	Case, Base: MPPO, terminal: brass	Case, Base: MPPO, terminal: brass	Case, Base: PC, terminal: brass	Case, Base: MPPO, terminal: brass
Approval	CE EAC	CE EAC	CE	CE EAC
Unit weight (packaged)	≈ 61 g (≈ 92 g)	≈ 115 g (≈ 157 g)	≈ 120 g (≈ 149 g)	≈ 141 g (≈ 189 g)

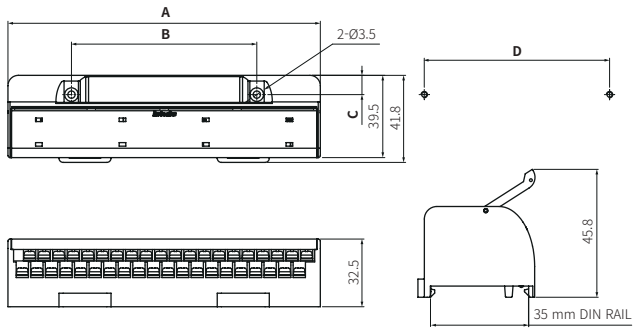
Rated voltage	≤ 125 VDC \equiv , 125 VAC~ 50/60 Hz
Rated current	≤ 10 A
Insulation resistance	≥ 1,000 M Ω (500 VDC \equiv megger)
Dielectric strength	2,700 VAC~ 50/60 Hz for 1 minute
Vibration	0.75 mm amplitude at frequency of 10 to 55 Hz (for 1 minute) in each X, Y, Z direction for 2 hours
Vibration (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 ² (≈ 15 G) in each X, Y, Z direction for 3 times
Shock (malfunction)	100 m/s ² (≈ 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	Ø 0.3 to 1.2 mm
Applicable wire v-stranded	AWG 22-16 (0.30 to 1.25 mm ²)
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
20-pin	80	62.5	9.3	62.5
40-pin	150	89	9.3	89
50-pin	184	104	8.8	104

■ Double line

