



DL-PD1

PROFIBUS DP Compatible Communication Unit

 $C \in C_{\mathbb{Q}_{\mathbb{Q}}}$ 

## SPECIFICATIONS

Model		DL-PD1
Sensor connection specifications	Connectable sensors	Sensor amplifiers with D-bus support*1
	Number of connectable sensor units	15 units max. <sup>12</sup>
PROFIBUS DP specifications	Device type	DP-V1 Slave (D-sub 9 pin, Number of the ports: 1)
	Communication speed	9.6 kbit/s to 12 Mbit/s
	Cable length	9.6 / 19.2 / 45.45 / 93.75 kbit/s : 1200 m 187.5 kbit/s : 1000 m 500 kbit/s : 400 m 1.5 Mbit/s : 200 m 3 / 6 / 12 Mbit/s : 100 m
Power voltage		20 to 30 VDC, including ripple (p-p) 10% (This voltage is supplied from the connected sensor amplifier.)
Power consumption		1600 mW or less (65 mA max. at 24 V)
Environmental resistance	Ambient temperature	-20 to +55 °C (No freezing)
	Relative humidity	35 to 85 % RH (No condensation)
	Vibration resistance	10 to 55 Hz, Double amplitude 1.5 mm, 2 hours in each of the X, Y, and Z directions
	Shock resistance	500 m/s <sup>2</sup> , 3 times in each of the X, Y, and Z directions
Materials		Main unit case and dust cover: Polycarbonate PROFIBUS connector: Steel – Nickel plating
Weight		Approx. 65 g

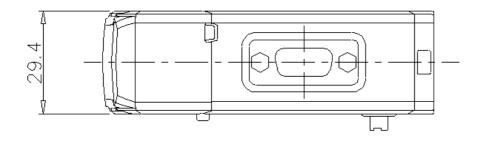
<sup>\*1 &</sup>quot;D-bus" is the name of KEYENCE's wiring-saving system for sensor amplifiers.

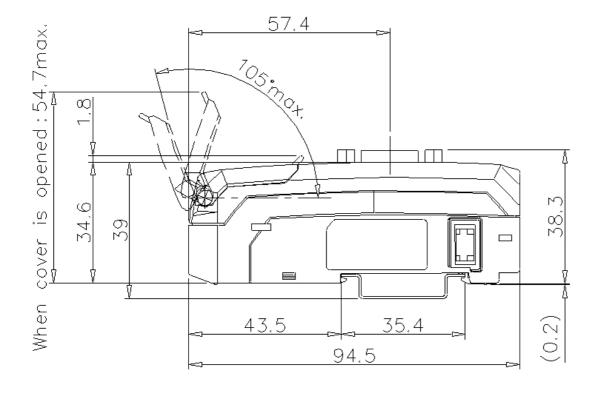
<sup>\*2</sup> Varies with the sensor amplifiers connected.

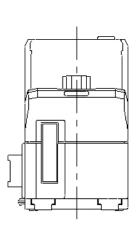


## Dimensions

DL-PD1







<sup>\*</sup> Download CAD file or product manual for larger image/text and more detail.