



DL-PD1
PROFIBUS DP Compatible Communication Unit



SPECIFICATIONS

Model		DL-PD1
Sensor connection specifications	Connectable sensors	Sensor amplifiers with D-bus support ^{*1}
	Number of connectable sensor units	15 units max. ^{*2}
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 ² , 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
^{*1} "D-bus" is the name of KEYENCE's wiring-saving system for sensor amplifiers. ^{*2} Varies with the sensor amplifiers connected.		

Dimensions

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

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