



DL-EP1

EtherNet/IP™ Compatible Communication Unit



SPECIFICATIONS

Model		DL-EP1 ^{*1}
Indicator		Link/activity indicator (LINK/ACT): Green LED, Module status indicator (MS): 2-colour (green/red) LED, Network status indicator (NS): 2-colour (green/red) LED, Sensor communication indicator (D-bus) 2-colour (green/red) LED
Ethernet specifications	Compliant standards	IEEE802.3 (10BASE-T)/IEEE802.3u (100BASE-TX)
	Transmission speed	10Mbps (10BASE-T)/100Mbps (100BASE-TX)
	Transmission interface	STP cable or Category 3 or higher UTP cable (10BASE-T)/STP cable or Category 5 or higher UTP cable (100BASE-TX)
	Maximum cable length	100 m (Distance between DL-EP1 and Ethernet switch)
Sensor connection specifications	Connectable sensors	Sensor amplifiers with D-bus support ^{*2}
	Number of connectable sensor units	Up to 15 units
Ethernet specifications	Maximum number of connectable hubs	4 (10BASE-T)/2 (100BASE-TX)
EtherNet/IP™ specifications	Compatible functions	Cyclic communication (Implicit messaging) Message communication (Explicit messaging) Compatible with UCMM and Class 3
	Number of connections	64
	RPI (Transmission cycle)	0.5 to 10000 ms (0.5 ms unit)
	Tolerable communication bandwidth for cyclic communication	6000pps
	Conformance test	Compatible with Version A7
Power voltage		20 to 30 VDC, including ripple (p-p) 10% (This voltage is supplied from the connected sensor amplifier)
Power consumption		1500 mW or less (at 30 V 50 mA max)
Environmental resistance	Pollution degree	2
	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
Materials		Main unit case: Polycarbonate
Weight		Approx. 70 g
^{*1} For connecting with sensor, please refer to the user's Manual		
^{*2} "D-bus" is the name of KEYENCE's wiring-saving system for sensor amplifiers.		

Dimensions

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

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