



DL-EP1

EtherNet/IP™ Compatible Communication Unit



*Please note that accessories depicted in the image are for illustrative purposes only and may not be included with the product.

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	Supported functions	Cyclic communication (Implicit messaging) Message communication (Explicit messaging) Compatible with UCMM and Class 3
	Number of connections	64
	RPI (communication cycle)	0.5 to 10000 ms (0.5 ms unit)
EtherNet/IP™ specifications	Tolerable communication bandwidth for cyclic communication	6000pps
EtherNet/IP™ specifications	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
Material		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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