

DL-DN1

DeviceNet™ Compatible Communication Unit



SPECIFICATIONS

Model			DL-DN1 ^{*1}			
DeviceNet™ specifications		Network power supply		11 to 25 VDC (supplied from DeviceNet™ communication power supply)		
Indicator			Network status indicator: 2-colour (green/red) LED, Module status indicator: 2-colour (green/red) LED, Sensor communication indicator: 2-colour (green/red) LED			
Sensor connection specifications		Connectable sensors		Sensor amplifiers with D-bus support ^{*2}		
		Number of connectable sensor units		Up to 15 units		
DeviceNet™ specifications		Compliant functions		Remote I/O communication (polling) Explicit messaging		
		Address setting		0 to 63 (PGM compatible)		
		Baud rate (automatically switched)		500 kbps/250 kbps/125 kbps		
		Maximum cable length	500 kbps	thick cable	100 m	
				thin cable		
			250 kbps	thick cable	250 m	
				thin cable	100 m	
		125 kbps	thick cable	500 m		
thin cable	100 m					
Power voltage			20 to 30 VDC, including ripple (P-P) 10 % (supplied from the connected sensor amplifiers)			
Power consumption			660 mW or less (at 30 V, 22 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 and dust cover: Polycarbonate, DeviceNet™ connector: Polyamide (plug), PUT (socket)			
Weight			Approx. 80 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.

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Dimensions

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

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