

## NU-EC1

Communication Unit EtherCAT Compatible

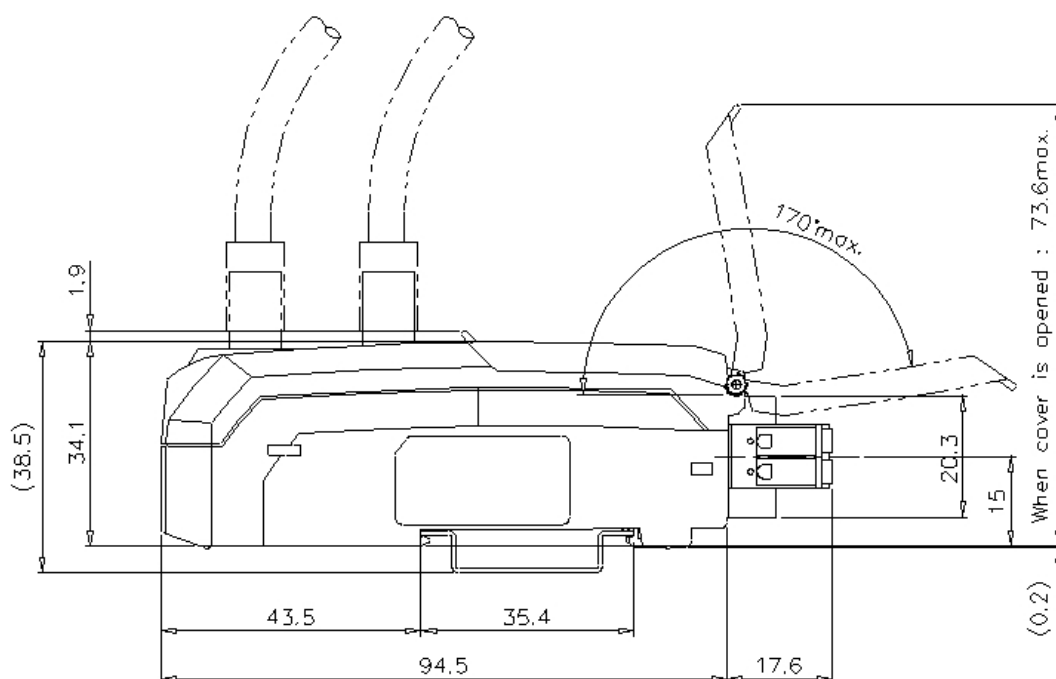
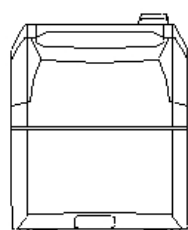


## SPECIFICATIONS

Model		NU-EC1
Name		EtherCAT Compatible Network Unit
Ethernet Specifications	Compliant standards	IEEE802.3u (100BASE-TX)
	Transmission rate	100Mbps (100BASE-TX)
	Transmission media	Category 5e STP
	Distance between nodes	100 m
	Communication ports	RJ-45x2
EtherCAT communication specifications	Compatible functions	Process data object communication (cyclic communication) Mailbox communication (message communication) CoE compatible
Sensor connection	Connectable sensors	Sensor amplifiers with N-bus support <sup>*1</sup>
	Number of connectable units	Up to 16 units <sup>*2</sup>
	Power supply	Power is supplied from the unit via a wiring-saving connector
	Allowable passing current	Total 1200 mA max.
Indicator lamp		Power indicator (PWR): green LED, RUN indicator (RUN): green LED, ERR indicator (ERR): red LED, sensor communication indicator (N-bus): 2-color (green and red) LED, link/activity indicator: green LED
Power voltage		24 VDC $\pm$ 10%, ripple (P-P) 10% or less
Power consumption		1700 mW or less (70 mA max. at 24 V) <sup>*3</sup>
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 and dust cover: polycarbonate, power supply connection connector: polyamide (plug), PBT (socket)
Accessories		Instruction manual, power connector, 2 end units
Weight		Approx. 80 g (including connectors)

<sup>\*1</sup> "N-bus" is the name of KEYENCE's wiring-saving system for sensor amplifiers.  
<sup>\*2</sup> Depends on the sensor amplifiers connected.  
<sup>\*3</sup> Current to be supplied to the connected sensor amplifier is not included.

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



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