Communications Units for E3X-DA-N-series Fiber Amplifiers

E3X-DRT21/SRT21/CIF11

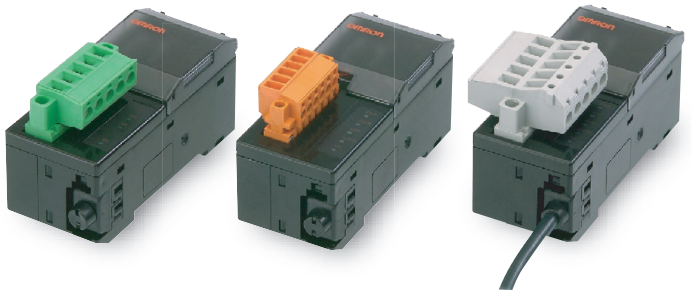
CSM_E3X-DRT21_SRT21_CIF11_DS_E_2_1

Three New Communications Units for Fiber Amplifiers

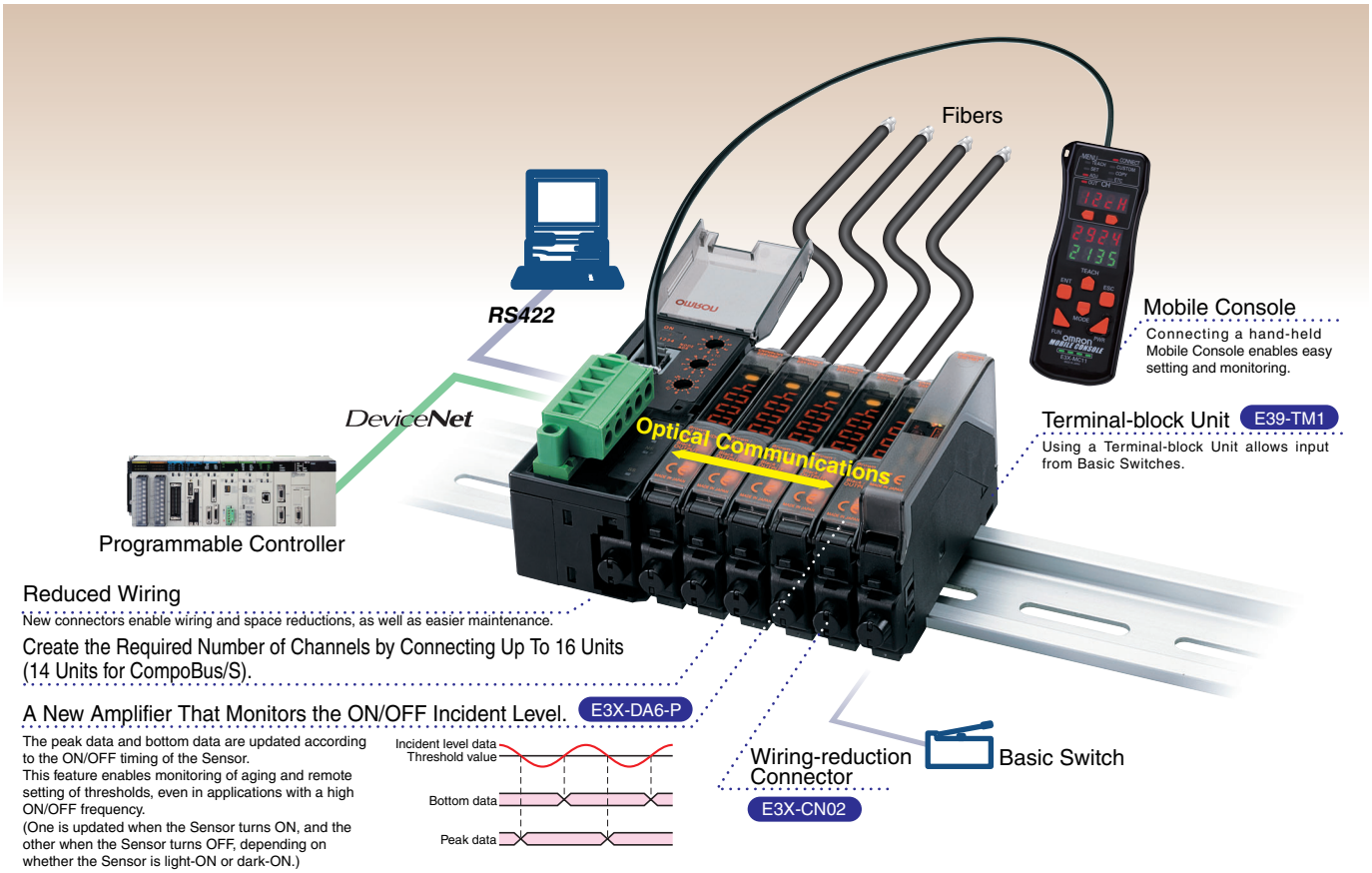
DeviceNet Communications Unit
E3X-DRT21

CompoBus/S Communications Unit
E3X-SRT21

RS-422 Communications Unit
E3X-CIF11



Features



Ordering Information

Communications Units

Communications method	Model
DeviceNet	**E3X-DRT21**
CompoBus/S	**E3X-SRT21**
RS-422	**E3X-CIF11**

Terminal-block Unit

Communications method	Model
All communications methods	**E39-TM1**

Fiber Amplifier with Incident Level Monitoring Function*

Communications method	Model
All communications methods	**E3X-DA6-P**

Wiring-reduction Connector*

Communications method	Model
---	**E3X-CN02**

* Order Fiber Amplifiers and Wiring-reduction Connectors as sets.

Ratings and Specifications

Communications Units

Item / Model	E3X-DRT21	E3X-SRT21	E3X-CIF11
Communications method	DeviceNet	CompoBus/S	RS-422
Connectable Fiber Amplifiers *1	*2 E3X-DA6, E3X-DA8, E3X-DAB6, E3X-DAB8, E3X-DAG6, E3X-DAG8		
	E3X-DA6TW, E3X-DA8TW, E3X-DA6-P, E39-TM1		
Number of connectable Fiber Amplifiers	16 max.	14 max.	16 max.
Power supply voltage	11 to 25 VDC	14 to 26.4 VDC	11.4 to 26.4 VDC (12 VDC –5% to 24 VDC +10%)
Internal current consumption *3	70 mA max.	30 mA max.	40 mA max.
Ambient temperature	Operating: –20 to 55°C, Storage: –30 to 70°C (with no icing or condensation)		
Ambient humidity	35% to 85% (with no condensation)		
Weight (packed state)	Approx. 150 g		Approx. 200 g

*1. Connection is not supported for Pre-wired Amplifiers (e.g., E3X-DA11-N) and water-resistant Amplifiers (e.g., E3X-DA11V).
*2. Connection is supported for products manufactured on or after the date shown below (indicated with the lot number).
Connection is also supported for models with “MADE IN JAPAN” on the cover underlined.

Lot No.1 8 6 0 1 — Manufactured on 18 June 2001.
- Last two digits of the year of manufacture.
- Month of manufacture. October, November, and December are represented with X, Y, and Z respectively.
- Day of manufacture.

*3. Does not include the current supplied to the Fiber Amplifier.

Terminal-block Unit

Item / Model	E39-TM1
Power supply voltage*1	12 to 24 VDC ±10%, ripple (p-p) 10% max.
Sensor power supply	11 to 23 VDC (power supply voltage –1 V)
Current consumption	40 mA max. + Sensor current consumption (total: 100 mA max.)
Response speed	1.2 ms max.
Number of inputs	1 point
Input signals	NPN/PNP no-voltage input (contact and non-contact), switchable
Input operating configuration	N.O./ N.C., switchable
Indicators	Input signal display (orange)
Ambient temperature*2	Operating: Groups of 1 to 3 Units: –25 to 55°C (with no icing or condensation) Groups of 4 to 8 Units: –25 to 45°C (with no icing or condensation) Groups of 9 to 16 Units: –25 to 40°C (with no icing or condensation) Storage: –30 to 70°C

*1. The power supply for the E39-TM1 is provided from the Communications Unit (order separately). Use an E3X-CN02 (order separately) Connector.
*2. When 4 or more Units are grouped together, the current consumption per Unit must not exceed 75 mA. When using together with the E3X-DA-N Fiber Amplifiers, connect the E39-TM1 Units at the end of the group. In this case, the upper limit for the ambient temperature for the E3X-DA-N Amplifiers is the rated upper limit –5°C.

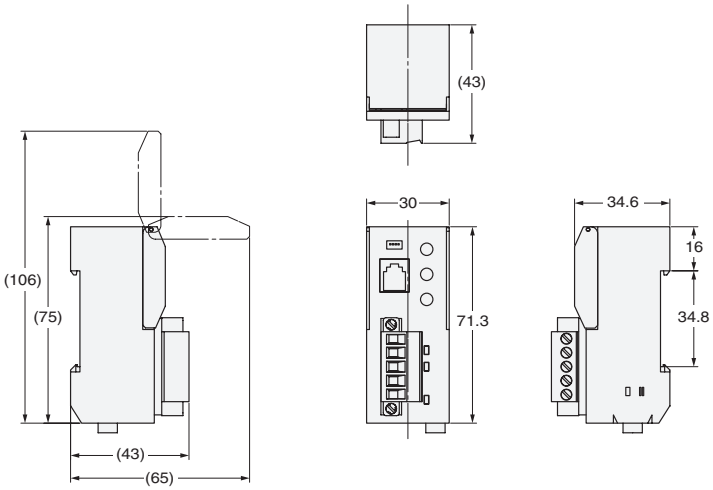
(Unit: mm)

Dimensions

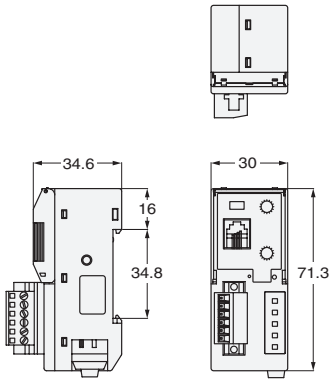
Unless otherwise specified, the tolerance class IT16 is used for dimensions in this data sheet.

Communications Units

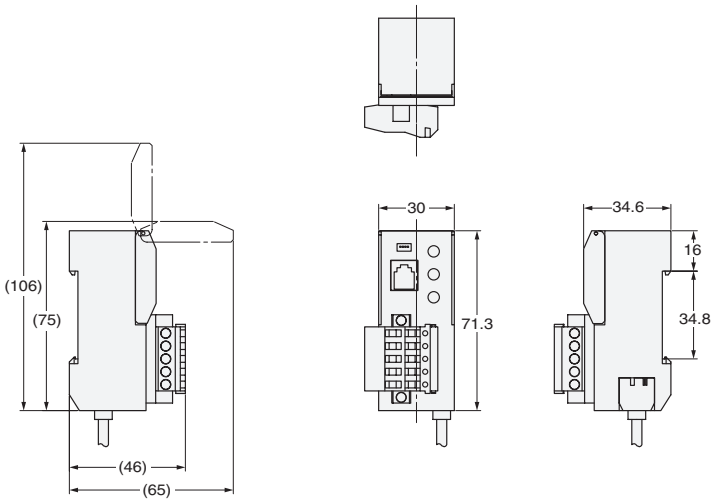
E3X-DRT21



E3X-SRT21

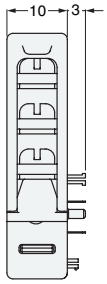


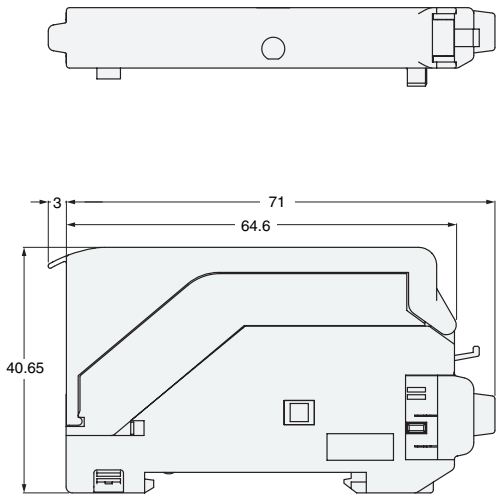
E3X-CIF11



Terminal-block Unit

E39-TM1





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