Communications Units for E3X-DA-N-series Fiber Amplifiers E3X-DRT21/SRT21/CIF11

Three New Communications Units for Fiber Amplifiers

DeviceNet Communications Unit E3X-DRT21 CompoBus/S Communications Unit E3X-SRT21 RS-422 Communications Unit E3X-CIF11

CSM_E3X-DRT21_SRT21_CIF11_DS_E_3_2



Note: Manufacture of the E3X-DA6-P will be discontinued in March 2017.

Features



E3X-DRT21/SRT21/CIF11

Ordering Information

Communications Units

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

Communications method	Model
All communications methods	E39-TM1

Ratings and Specifications

Communications Units

Fiber Amplifier with Incident Level Monitoring Function*1, 2

Communications method	Model
All communications methods	E3X-DA6-P
Wiring-reduction Connector*1	
Communications method	Model
	E3X-CN02

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

*2. Manufacture of the E3X-DA6-P will be discontinued in March 2017.

Item Model	E3X-DRT21	E3X-SRT21	E3X-CIF11	
Communications method	DeviceNet	CompoBus/S	RS-422	
Connectable Eiber Amplifiers *1	*2 E3X-DA6 *3, E3X-DA8 *3, E3X-DAB6, E3X-DAB8, E3X-DAG6, E3X-DAG8			
Connectable Fiber Ampimers	E3X-DA6TW *3, E3X-DA8TW *3, E3X-DA6-P *3, 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 *4	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.<u>18601</u> 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. Manufacturing of the E3X-DA TW Series was discontinued at the end of March 2012. Manufacture of the E3X-DA6/DA8/DA6-P will be discontinued in March 2017. *4. 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 \pm 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.

E3X-DRT21/SRT21/CIF11

(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





16

34.8

E3X-DRT21/SRT21/CIF11



In the interest of product improvement, specifications are subject to change without notice.

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