

# Communications Unit DRT1-COM

**Connects to a Total Maximum of Eight Digital I/O, Analog I/O, and Relay Output Units Compatible with MULTIPLE I/O TERMINAL.**

- Allows flexible combinations of I/O points.
- Covering a total cable length of 3 m.
- DIN track mounting.



## Ordering Information

Power supply voltage	Model
24 VDC	DRT1-COM

## General Specifications

<b>Communications power supply voltage</b>	11 to 25 VDC (supplied from the communications connector)
<b>Internal power supply voltage</b>	20.4 to 26.4 VDC
<b>I/O power supply voltage</b>	(24 VDC +10%/-15%)
<b>Current consumption</b>	Communications: 30 mA max. Internal circuit: 0.6 A at 24 VDC (with max. I/O load)
<b>Dielectric strength</b>	500 VAC
<b>Noise immunity</b>	Conforms to IEC61000-4-4, 2 kV (Power line)
<b>Vibration resistance</b>	10 to 150 Hz, 1.0-mm double amplitude or 70 m/s <sup>2</sup>
<b>Shock resistance</b>	200 m/s <sup>2</sup>
<b>Mounting strength</b>	No damage when 100 N pull load was applied in all directions (10 N min. in the DIN track direction)
<b>Terminal strength</b>	No damage when 100 N pull load was applied
<b>Screw tightening torque</b>	0.3 to 0.5 N•m Phoenix connector: 0.25 to 0.3 N•m
<b>Ambient operating temperature</b>	-10°C to 55°C (with no icing or condensation)
<b>Ambient operating humidity</b>	25% to 85%
<b>Ambient storage temperature</b>	-25°C to 65°C (with no icing or condensation)
<b>Accessories</b>	End connector (one)

## Specifications

<b>Connectable Units</b>	8	
<b>Unit I/O points</b>	1,024 max. (including inputs and outputs)	
<b>Communications distance</b>	<b>Total extension</b>	3 m max.
	<b>Between Units</b>	1 m max. (40 mm max. with the standard cable provided with the Unit) *
<b>Dielectric strength</b>	500 VAC for 1 min.	
<b>Mounting method</b>	DIN 35 mm-track mounting	
<b>Unit output power supply</b>	0.4 A max. (see Note.)	

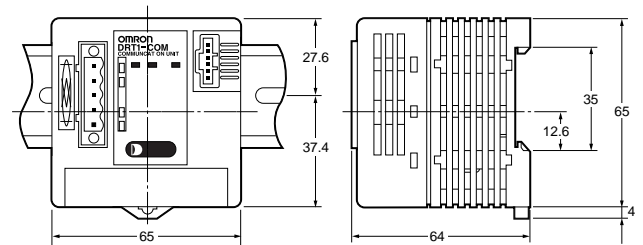
\* One cable is provided with each I/O Unit.

Note: The total current consumption for I/O Unit interfaces must not exceed 0.4 A.

## Dimensions

(Unit: mm)

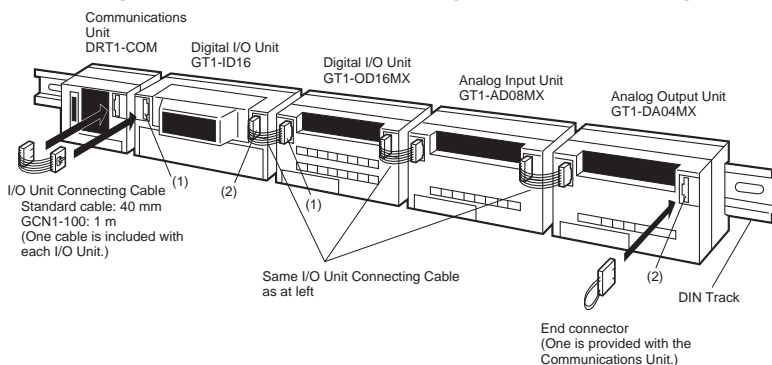
### DRT1-COM



Note: The Unit is shown with the end connector mounted in the above diagram.

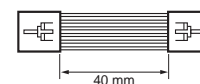
## Mounting and Connecting Units

### ● Mounting to DIN Track and Connecting I/O Unit Connecting Cable

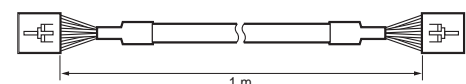


Note: The connecting cable for the I/O Unit is shown below.

#### Accessory Cable



GCN1-100 (Sold Separately)



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