



## GL-T11R

### Safety Relay Terminal



\*Please note that accessories depicted in the image are for illustrative purposes only and may not be included with the product.

## Specifications

Model	GL-T11R	
Applicable model	GL-R Series	
Relay output	FSD1,2	250 VAC 6 A 30 VDC 6 A (Resistance load) 240 VAC 2 A (COS $\phi$ =0.3) (Inductive load) 24 VDC 1 A (COS $\phi$ =0.3) (Inductive load)
Life-span	Electrical life-span	100,000 cycles or more with 250 VAC 6 A resistance load (open/close frequency: 20 times/minute) 100,000 cycles or more with 30 VDC 6 A resistance load (open/close frequency: 20 times/minute) 500,000 cycles or more with 250 VAC 1 A resistance load (open/close frequency: 30 times/minute) 500,000 cycles or more with 30 VDC 1 A resistance load (open/close frequency: 30 times/minute) AC15: 100,000 cycles or more with 240 VAC 2 A inductive load (open/close frequency: 20 times/minute, cos $\phi$ = 0.3) DC13: 100,000 cycles or more with 24 VDC 1 A inductive load (open/close frequency: 20 times/minute, L/R = 48 ms)
Response time	ON→OFF	GL-R +10 ms
	OFF→ON	GL-R +32 ms
Supplemental output (Non-safety-related output)	AUX	Transistor output (PNP/NPN input device can be connected.)*1 50 mA max., residual voltage 2.5 V max. (When the cable between the GL-R and GL-T11R is 5 m)
	Error output	
	Muting lamp output	Incandescent lamp (24 VDC, 1 to 5.5 W) LED lamp (load current: 10 to 230 mA) can be connected.
External input	EDM inputWait inputReset inputMuting input 1, 2Override input	ON voltage: [Power supply voltage - 5 V] to [Power supply voltage] OFF voltage: Open or 0 to 3 V Short circuit current: Approx. 2.5 mA (Approx. 10 mA with EDM input only)
Power supply	Power voltage	24 VDC $\pm$ 10%, ripple (P-P) 10% or less, Class 2
	Current consumption	100 mA max. (24 VDC, GL-T11R only)
Approved standards	EMC	EMS
		EMI
	Safety	EN61496-1, UL61496-1, IEC61496-1 EN55011 ClassA, FCC Part15B ClassA, ICES-003 ClassA EN61496-1, UL61496-1, IEC61496-1 (Type4 ESPE) EN ISO13849-1 : 2015 (Category4, PLe) UL508, EN50178
Environmental resistance	Enclosure rating	IP20 (IEC60529) Must be installed within a control panel rated at IP54 or higher.
	Pollution degree	2
	Overvoltage category	III
	Operating ambient temperature	-10 to +55 °C (No freezing)
	Storage temperature	-25 to +60 °C (No freezing)
	Operating relative humidity	15 to 85 % RH (No condensation)
	Storage relative humidity	15 to 95 % RH

	Altitude	2,000 m or less
	Vibration resistance	10 to 55 Hz, Double amplitude 0.7 mm, 20 sweeps in each of the X, Y, and Z directions
	Shock resistance	100 m/s <sup>2</sup> (Approx. 10 G), 16 ms pulse, 1,000 times in each of the X, Y, and Z directions
Material	Main unit case	Polycarbonate
Weight		Approx. 310 g

\*1 The output operation is the same as that when the PNP output type cable is used.

# Dimensions

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

GL-T11R

