

(14) Relay output 16 points (NP1Y16R-08)

Item		Specification	
Type		NP1Y16R-08	
No. of output points		16 points (8 points/common x 2 circuits)	
Output power supply condition	Rated voltage	240V AC, 110V DC	
	Tolerance	264V AC or less, 140V DC or less	
	Rated frequency	50/60 Hz	
	Rated frequency (tolerance)	47 to 63 Hz	
Characteristics of input circuit	Output type	Relay output	
	Max. load current	30V DC/264V AC: 2.2A/point, 8A/common 110V DC: 0.2A/point, 1.6A/common	
	Min. make/break current	5V DC, 1mA	
	Response time	OFF to ON	10ms or less
		ON to OFF	10ms or less
Leakage current in OFF state	Max. 0.1mA (at 200V AC 60Hz)		
Output protection method	Built-in fuse	None	
	Output element	Relay (AC, DC)	
	Surge absorption circuit	Varistor	
	Others	None	
On/off times		Max. 1800 times/hour	
Wire connections	External wire connections	Detachable screw terminal (M3) 20 poles	
	Applicable wire size	AWG #22 to 18 (Note)	
Output indication		LED indicator lights up when output is ON (Logic side), ONL: normal (Green LED), ERR: abnormal (Red LED)	
Isolation method		Relay	
Dielectric strength		1500V AC/minute (between output terminals and frame ground)	
Insulation resistance		10M Ω or more with 500V DC megger (between output terminals and ground)	
Derating condition		None	
External power supply		For signal: 240V AC, 110V DC	
Internal current consumption		24V DC, 176mA or less (when all points are turned ON)	
Occupied word		Directly connected to the SX bus: 2 words On the remote I/O link: 1 word	
Mass		Approx. 190g	

Note: Applicable wire size depends on a crimp terminal. For details, refer to [“4-4-3 I/O Wiring.”](#)

