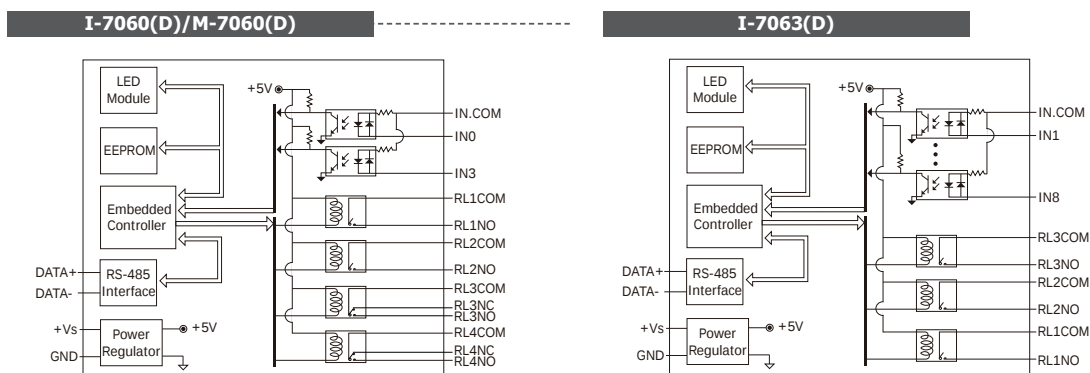


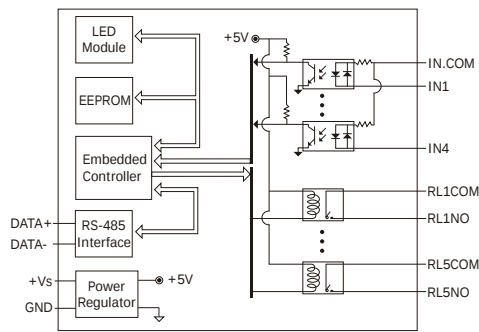
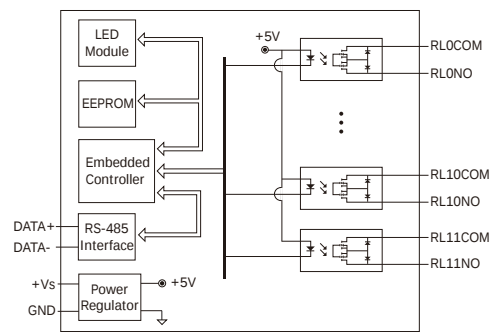
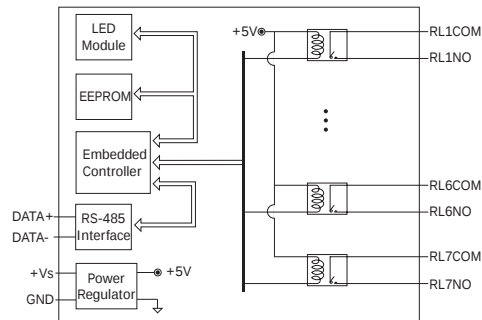
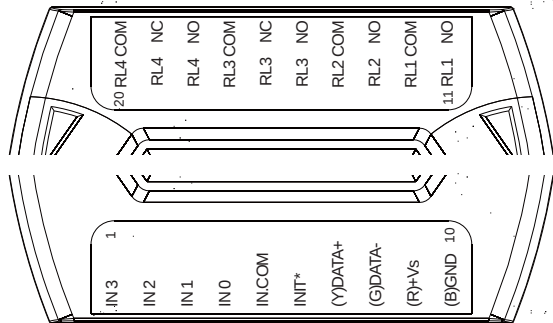


2.2-4. Relay I/O

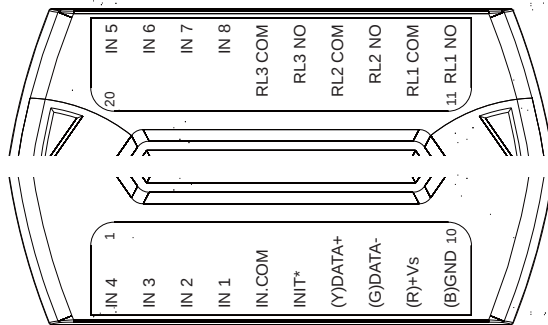
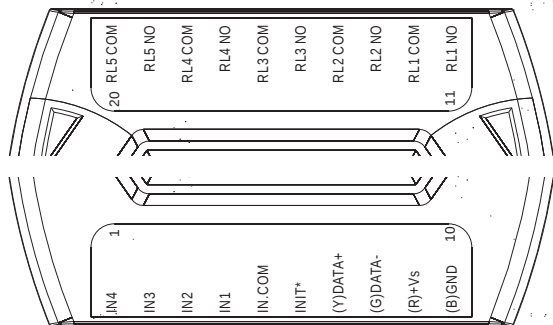
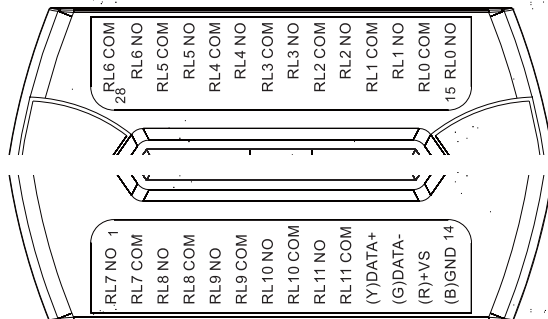
Module					
Model Name	I-7060(D)	I-7063(D)	I-7065(D)	I-7061(D)	I-7067(D)
	M-7060(D)		M-7065(D)	M-7061(D)	M-7067(D)
Pictures					
Relay Output					
Channel	4	3	5	5	7
Type	Power Relay (Form A × 2, Form C × 2)	Power Relay (Form A)			
Contact Rating	0.6 A @ 125 V _{AC} 2 A @ 30 V _{DC}	5 A @ 250 V _{AC} 5 A @ 30 V _{DC}			0.5 A @ 120 V _{AC} 1 A @ 24 V _{DC}
Surge Strength	500 V _{DC}	4000 V _{DC}		3000 V _{DC}	1500 V _{DC}
Operate Time	3 ms	6 ms		2 ms	5 ms
Release Time	2 ms	3 ms		2 ms	2 ms
Mechanical Endurance	10 ⁸ ops.	2 × 10 ⁷ ops.			5 × 10 ⁶ ops.
Electrical Endurance	5 × 10 ⁵ ops.	10 ⁵ ops.			
Power-on Value	Yes	Yes		Yes	Yes
Safe Value	Yes	Yes		Yes	Yes
Digital Input					
Channel	4	8	4		
Type	Wet				
Sink/Source (NPN/PNP)	Sink/Source				
On Voltage Level	+1 V _{DC} Max.				
Off Voltage Level	+4 ~ 30 V _{DC}				
Counter (100 Hz, 16-bit)	Yes				
Input Impedance	3 kΩ				
Overvoltage Protection	+/-35 V _{DC}				
System					
Dual Watchdog	Yes				
ESD (IEC 61000-4-2)	+/-4 kV				
EFT (IEC 61000-4-4)	+/-2 kV			+/-4 kV	+/- 2 kV
Surge (IEC 61000-4-5)	-			+/- 3 kV	-
Intra-Module Isolation, Field-to-Logic	3750 V _{rms}				
Power Input	10 ~ 30 V _{DC}				
Power Consumption	1.3 W; 1.9 W for (D) version	1.0 W; 1.5 W for (D) version	1.3 W; 2.2 W for (D) version	1.7 W; 2.3 W for (D) version	1.5 W; 2.2 W for (D) version

Internal I/O Structure



I-7065(D)/M-7065(D)

I-7061(D)/M-7061(D)

I-7067(D)/M-7067(D)

I-7060(D)/M-7060(D)


Pin Assignments

I-7063(D)

I-7065(D)/M-7065(D)

I-7061(D)/M-7061(D)

I-7067(D)/M-7067(D)
