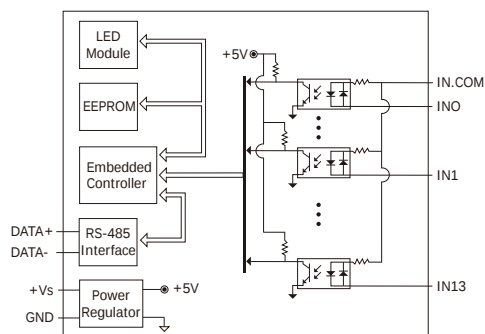


2.2-3. Digital I/O

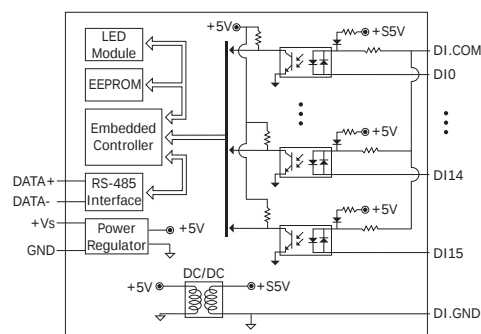
DC Digital Input Module						
Model Name		I-7041(D)	I-7041P(D)	I-7051(D)	I-7052(D)	I-7053(D)_FG
		M-7041(D)	M-7041P(D)	M-7051(D)	M-7052(D)	M-7053(D)
Pictures						
Channel		14		16	8	16
Contact		Wet		Dry + Wet	Wet	Dry
Sink/Source (NPN/PNP)		Sink/Source		Dry: Source Wet: Sink/Source	Sink/Source	Source
Wet Contact	On Voltage Level	+1 V _{DC} Max.	+11 V _{DC} Max.	+10 ~ 50 V _{DC}	+4 ~ 30 V _{DC}	-
	Off Voltage Level	+4 ~ 30 V _{DC}	+19 ~ 30 V _{DC}	+4 V _{DC} Max.	+1 V _{DC} Max.	-
Dry Contact	On Voltage Level	-		Close to GND	-	Open
	Off Voltage Level	-		Open	-	Close to GND
Counter (100 Hz, 16-bit)		Yes		Yes	Yes	Yes
Input Impedance		3 KΩ		10 KΩ	3 KΩ	-
Channel to Channel Isolation		-		-	Yes, +/- 2 kV for differential only.	-
Overvoltage Protection		+/-35 V _{DC}		+/-70 V _{DC}	+/-35 V _{DC}	-
System						
Dual Watchdog		Yes		Yes		Yes
ESD (IEC 61000-4-2)		+/-4 kV		+/-4 kV		-
EFT (IEC 61000-4-4)		+/-2 kV		+/-2 kV		-
Intra-Module Isolation, Field-to-Logic		3750 V _{rms}		3750 V _{rms}		-
Power Input		10 ~ 30 V _{DC}				
Power Consumption		0.2 W; 0.9 W for (D) version	0.2 W; 0.9 W for (D) version	0.3 W; 1.1 W for (D) version	0.2 W; 0.6 W for (D) version	0.7 W; 0.9 W for (D) version

Internal I/O Structure

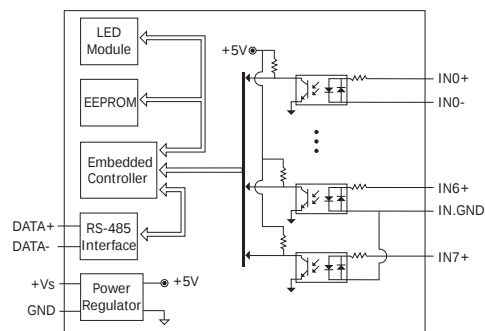
I-7041(D)/M-7041(D)/I-7041P(D)/M-7041P(D)



I-7051(D)/M-7051(D)



I-7052(D)/M-7052(D)



I-7053(D)_FG/M-7053(D)

