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Guía de selección para módulos con *entradas analógicas*

Module		7011/ 7011D/	7011P/ 7011PD	7012/ 7012D	7012F/ 7012FD	7013/ 7013D	7014D	7015 *	7015T	7033 7033D
Analog Input	Resolution	16 bit	16 bit	16 bit	16/12 bit	16 bit	16 bit	16 bit	16 bit	16 bit
	Input channel	1 diff.	1 diff.	1 diff.	1 diff.	1 diff.	1 diff.	6 diff.	8 diff.	3 diff.
	Sampling rate	10Hz	10Hz	10Hz	10/100Hz	10Hz	10Hz	12Hz	8Hz	10Hz
	Voltage input	+/-15mV +/-50mV +/-100mV +/-500mV +/-1V +/-2.5V	+/-15mV +/-50mV +/-100mV +/-500mV +/-1V +/-2.5V	+/-150mV +/-500mV +/-1V +/-5V +/-10V	+/-150mV +/-500mV +/-1V +/-5V +/-10V	—	+/-150mV +/-500mV +/-1V +/-5V +/-10V	—	—	—
	Current input	+/-20mA	+/-20mA	+/-20mA	+/-20mA	—	+/-20mA	—	—	—
	Sensor input	J.K.T.E.R. S.B.N.C Thermocouple	J.K.T.E.R. S.B.N.C L,M Thermocouple	—	—	Pt Ni-RTD (2/3/4 wire)	—	Pt/Ni/Cu RTD (2/3 wire)	Thermistor (2 wire)	Pt Ni-RTD (2/3/4 wire)
	4 1/2 digit LED Display	Yes for I-7011D	Yes for I-7011PD	Yes for I-7012D	Yes for I-7012FD	Yes for I-7013D	Yes for I-7014D	—	—	Yes for I-7033D
	Isolated loop power	—	—	—	—	—	Yes +15V	—	—	—
	Input Linear scaling	—	—	—	—	—	Yes	—	—	—
	Isolation Voltage	3000V	3000V	3000V	3000V	3000V	3000V	3000V	3000V	3000V
Digital Input & Digital O utput	Digital input channels	1	1	1	1	—	1	—	—	—
	Digital output channels	2	2	2	2	—	2	—	6	—
	Event counter	Yes	Yes	Yes	Yes	—	Yes	—	—	—
	High/Low Alarm	Yes	Yes	Yes	Yes	—	Yes	—	Yes	—
Individual Channel Configurable		—	—	—	—	—	—	Yes	Yes	—
Dual Watchdog Timer		Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Frame Ground		—	—	—	—	—	—	Yes	Yes	—

* Módulos más comunes

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Guía de selección para módulos con *entradas analógicas*

Module		7016/ 7016D	7016P/ 7016PD (New)	7017	7017F	7017C *	7017R	7017RC
Analog Input	Resolution	16 bit	16 bit	16 bit	16/12 bit	16 bit	16 bit	16 bit
	Input channel	2 diff.	1 diff.	8 diff.	8 diff.	8 diff.	8 diff.	8 diff.
	Sampling rate	10Hz	10Hz	10Hz (total)	10/60Hz (total)	10Hz (total)	10Hz (total)	10Hz (total)
	Fast Mode (12bit)	—	—	—	Note (1)	Note (1)	—	—
	Voltage input	+/-15mV +/-50mV +/-100mV +/-500mV +/-1V +/-2.5V	+/-15mV +/-50mV +/-100mV +/-500mV +/-1V +/-2.5V	+/-150mV +/-500mV +/-1V +/-5V +/-10V	+/-150mV +/-500mV +/-1V +/-5V +/-10V		+/-150mV +/-500mV +/-1V +/-5V +/-10V	+/-150mV +/-500mV +/-1V +/-5V +/-10V
	Current input	+/-20mA	+/-20mA	+/-20mA	+/-20mA	+/-20mA	+/-20mA	+/-20mA
	Sensor input	4-wire Strain gauge Input	6-wire Strain gauge Input	—	—	—	—	—
	4 1/2 digit LED Display	Yes for I-7016D	Yes for I-7016PD	—	—	—	—	—
	Input Linear scaling	Yes	Yes	—	—	—	—	—
	Isolation Voltage	3000V	3000V	3000V	3000V	3000V	3000V	3000V
Digital Input & Digital Output	Digital input channels	1	1	—	—	—	—	—
	Digital output channels	4	4	—	—	—	—	—
	Event counter	Yes	Yes	—	—	—	—	—
	High/Low Alarm	Yes	Yes	—	—	—	—	—
Dual Watchdog Timer		Yes	Yes	Yes	Yes	Yes	Yes	Yes
Over voltage protection		—	—	+/-35V	+/-35V	+/-35V	240 Vrms	240 Vrms
Frame Ground		—	—	—	—	Yes	Yes	Yes

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Guía de selección para módulos con *entradas analógicas*

Module		7018	7018P	7018R	7018BL *	7019R *
Analog Input	Resolution	16 bit	16 bit	16 bit	16 bit	16 bit
	Input channel	8 diff.	8 diff.	8 diff.	8 diff.	8 diff.
	Sampling rate	10Hz (total)	10Hz (total)	10Hz (total)	10Hz (total)	8Hz (total)
	Voltage input	+/-15mV +/-50mV +/-100mV +/-500mV +/-1V +/-2.5V	+/-15mV +/-50mV +/-100mV +/-500mV +/-1V +/-2.5V	+/-50mV +/-100mV +/-500mV +/-1V +/-2.5V	+/-50mV +/-100mV +/-500mV +/-1V +/-2.5V	+/- 15mV +/- 50mV +/- 100mV +/- 150mV +/- 500mV +/- 1V +/- 2.5V +/- 5V +/- 10V
	Current input	+/-20mA	+/-20mA	+/-20mA	+/- 20mA	+/-20mA
	Sensor input	J. K.T.E.R.S.B N.C. thermocouple	J.K.T.E.R.S.B N.C.L.M.L2, DIN43710 thermocouple	J.K.T.E.R.S.B N.C.L.M.L2 DIN43710 thermocouple	J.K.T.E.R.S.B. N.C.L.M.L2 DIN43710 thermocouple	J.K.T.E.R.S.B. N.C.L.M.L2 DIN43710 thermocouple
	4 1/2 digit LED Display	—	—	—	—	—
	Isolation Voltage	3000V	3000V	3000V	3000V	3000V
Break Line Detection				Yes	Yes	Yes
Individual Channel Configurable		—	—	—	—	Yes
Dual Watchdog Timer		Yes	Yes	Yes	Yes	Yes
Over voltage protection		+/- 35V	+/- 35V	240 Vrms	+/- 35V	240 Vrms
Frame Ground		—	—	Yes	Yes	Yes

* Módulos más comunes

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Guía de selección para módulos con *entradas y salidas digitales*

Module		7050/ 7050D	7051/ 7051D	7052/ 7052D	7053/ 7053D	* 7055/ 7055D	7058/ 7058D
Digital input and Digital output	Digital input channels	7	16 Isolation (3750V)	8 Isolation (5000V)	16	8 Isolation (3750V)	8 Isolation (5000V)
	Digital output channels (open collector)	8	–	–	—	8 Isolation (3750V)	–
	Alarm Setting	—	–	–	—	–	–
Counter	Channels	7	16	8	16	8	8
	Input frequency	100Hz	100Hz	100Hz	100Hz	100Hz	100Hz
LED Display		Yes for 7050D	Yes for 7051D	Yes for 7052D	Yes for 7053D	Yes for 7055D	Yes for 7058D
Safe Value (When Host Fail or communication fail)		Yes	—	—	—	Yes	—
Power-on Preset Value		Yes	—	—	—	Yes	—
Dual Watchdog Timer		Yes	Yes	Yes	Yes	Yes	Yes

Guía de selección para módulos con *entradas y salidas digitales*

Module		7041/ 7041D	7042/ 7042D	7043/ 7043D	7044/ 7044D	7045 7045D
Digital input and Digital output	Digital input channels	14 Isolation (3750V)	—	—	4 Isolation (3750V)	—
	Digital output channels (open collector)	–	13 Isolation (3750V)	16	8 Isolation (3750V)	14 Isolation (3750)
	Alarm Setting	–	—	—	–	–
Counter	Channels	14	—	—	4	–
	Input frequency	100Hz	—	—	100Hz	–
LED Display		Yes for 7041D	Yes for 7042D	Yes for 7043D	Yes for 7044D	Yes for 7045D
Safe Value (When Host Fail or communication fail)		—	Yes	Yes	Yes	Yes
Power-on Preset Value		—	Yes	Yes	Yes	Yes
Dual Watchdog Timer		Yes	Yes	Yes	Yes	Yes

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Guía de selección para módulos con *entradas y salidas digitales*

Module		7060/ 7060D	7063/63D/63A/63AD/ 7063B/63BD	7065/65D/65A/65AD/ 7065B/65BD
Digital input and Digital output	Digital input channels	4 Isolation (3750V)	8 Isolation (3750V)	4 Isolation (3750V)
	Digital output channels	4 Channel Relay Form A x 2 Form C x 2	3 Channel Relay I-7063: Form A; AC 250V5A; DC 30V/5A I-7063A: AC type SSR I-7063B: DC type SSR	5 Channel Relay I-7065: Form A; AC 250V5A; DC 30V/5A I-7065A: AC type SSR I-7065B: DC type SSR
	Alarm Setting	–	–	–
Counter	Channels	4	8	4
	Input frequency	100Hz	100Hz	100Hz
LED Display		Yes for 7060D	Yes for 7063D/7063AD/7063BD	Yes for 7065D/7065AD/7065BD
Safe Value (When Host Fail or communication fail)		Yes	Yes	Yes
Power-on Preset Value		Yes	Yes	Yes
Dual Watchdog Timer		Yes	Yes	Yes

Guía de selección para módulos con *entradas y salidas digitales*

Module		7066/ 7066D	7067/ 7067D	7080/ 7080D
Digital input and Digital output	Digital input channels	—	—	—
	Digital output channels	7 Channel Photo Mos Relay	7 Channel Relay Form A	2 Channel
	Alarm Setting	—	—	—
Counter	Channels	—	—	2
	Input frequency	—	—	100 KHz
LED Display		Yes for 7066D	Yes for 7067D	Yes for 7080D
Safe Value (When Host Fail or communication fail)		Yes	Yes	Yes
Power-on Preset Value		Yes	Yes	Yes
Dual Watchdog Timer		Yes	Yes	Yes

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Guía de selección para módulos con salidas analógicas

Module		7021	7021P	7022	7024
Analog Output	Resolution	12 bit	16 bit	12 bit	14 bit
	Output Channels	1	1	2 (* 1)	4
	Voltage Output	0-10V	0-10V	0-10V	+/-10V, 0-10V, +/-5V, 0-5V
	Current Output	0-20mA 4-20mA	0-20mA 4-20mA	0-20mA 4-20mA	0-20mA 4-20mA
Safe Value (When Host Fail or communication fail)		Yes	Yes	Yes	Yes
Power-on Preset Value		Yes	Yes	Yes	Yes
Dual Watchdog Timer		Yes	Yes	Yes	Yes