

Converters

Analogue converters and galvanic isolators



XSSAPI01



X756500



X756509



X756516



XW000935

Input	Output	Insulation	Supply voltage	Notes	Dimensions	Code
0...60 / 0...100 / 0...500 mV ±60 / ±100 / ±500 mV 0...1 / 0...2 / 0...5 / 0...10 V ±1 / ±2 / ±5 / ±10 V 0...5 / 0...10 / 0...20 / 4...20 mA ±5 / ±10 / ±20 mA	0...5 / 0...10 / ±5 / ±10 V 0...20 / 4...20 / ±20 mA	3-way	24 Vdc	(1) (4)	22.5x119x108	XSSAPI01
0...60 / 0...100 / 0...300 / 0...500 mV 0...1 / 0...10 / 0...20 / 2...20 V 0...5 / 0...10 / 0...20 / 4...20 / ±5 / ±20 mA	0...10 V 0...20 / 4...20 mA	3-way	24 Vac/dc	(1) (4)	17.5x84x79	X756516
0...60 / 0...100 / 0...300 / 0...500 mV 0...1 / 0...10 / 0...20 / 2...20 V 0...5 / 0...10 / 0...20 / 4...20 / ±5 / ±20 mA	0...10 V 0...20 / 4...20 mA	3-way	24...240 Vac/dc	(1) (5)	17.5x84x79	X756517
0...10 V 0...20 / 4...20 mA	0...10 V 0...20 / 4...20 mA	3-way	24 Vac/dc	(1) (4)	6.2x92.5x90	X756539
0...10 V 0...20 / 4...20 mA	0...10 V 0...20 / 4...20 mA	3-way	24...240 Vac/dc	(1) (5)	17.5x84x79	X756510
0...10 V 0...20 / 4...20 mA	0...10 V 0...20 / 4...20 mA	2-way	24 Vac/dc	(1) (4)	6.2x84x79	X756509
0...10 V 0...10 V	0...10 V 0...10 V	3-way	24 Vac/dc	(2) (4)	6.2x92.5x90	X756530
0...10 V 0...10 V	0...20 mA 0...20 mA	3-way	24 Vac/dc	(2) (4)	6.2x92.5x90	X756531
0...10 V 0...20 mA	4...20 mA 0...10 V	3-way	24 Vac/dc	(2) (4)	6.2x92.5x90	X756532
0...20 mA 0...20 mA	0...10 V 0...20 mA	3-way	24 Vac/dc	(2) (4)	6.2x92.5x90	X756533
0...20 mA 0...20 mA	0...20 mA 4...20 mA	3-way	24 Vac/dc	(2) (4)	6.2x92.5x90	X756534
4...20 mA 4...20 mA	4...20 mA 0...10 V	3-way	24 Vac/dc	(2)	6.2x92.5x90	X756535
4...20 mA 4...20 mA	0...10 V 0...20 mA	3-way	24 Vac/dc	(4)(2)	6.2x92.5x90	X756536
4...20 mA 4...20 mA	0...20 mA 4...20 mA	3-way	24 Vac/dc	(4)	6.2x92.5x90	X756537
4...20 mA 0...10 V	4...20 mA 0...10 V	3-way	24 Vac/dc	(4)	6.2x92.5x90	X756538
0...10 V 0...10 V	0...10 V 0...20 mA	2-way	24 Vac/dc	(2) (4)	6.2x84x79	X756500
0...10 V 0...20 mA	0...20 mA 4...20 mA	2-way	24 Vac/dc	(2) (4)	6.2x84x79	X756501
0...20 mA 0...20 mA	4...20 mA 0...10 V	2-way	24 Vac/dc	(2) (4)	6.2x84x79	X756502
0...20 mA 0...20 mA	0...10 V 0...20 mA	2-way	24 Vac/dc	(2) (4)	6.2x84x79	X756503
0...20 mA 0...20 mA	0...20 mA 4...20 mA	2-way	24 Vac/dc	(2) (4)	6.2x84x79	X756504
4...20 mA 4...20 mA	4...20 mA 0...10 V	2-way	24 Vac/dc	(2) (4)	6.2x84x79	X756505
4...20 mA 4...20 mA	0...10 V 0...20 mA	2-way	24 Vac/dc	(2) (4)	6.2x84x79	X756506
4...20 mA 4...20 mA	0...20 mA 4...20 mA	2-way	24 Vac/dc	(2) (4)	6.2x84x79	X756507
0...20 / 4...20 mA 0...20 / 4...20 mA	0...20 / 4...20 mA 0...20 / 4...20 mA	2-way	24 Vac/dc	(2) (4)	6.2x84x79	X756508
0...20 / 4...20 mA 0...20 / 4...20 mA	0...20 / 4...20 mA 0...20 / 4...20 mA	2-way	—	(2) (4)	6.2x115.5x90	X756526
0...20 / 4...20 mA 0...20 / 4...20 mA	0...20 / 4...20 mA 0...20 / 4...20 mA	2-way	—	(4)	6.2x115.5x90	X756527
0...20 / 4...20 mA 0...20 / 4...20 mA	0...20 / 4...20 mA 0...20 / 4...20 mA	2-way	—	(3) (4)	6.2x84x79	X756513
0...20 / 4...20 mA 0...10 V	0...20 / 4...20 mA 0...50 / 0...100 Hz	2-way	—	(6)	17.5x84x79	X756521
0...10 V 0...20 / 4...20 mA	0...50 / 0...100 Hz 0...1 / 0...10 kHz	2-way	24 Vac/dc	(3) (6)	6.2x84x79	X756511
0...10 V 0...20 / 4...20 mA	0...50 / 0...100 Hz 0...1 / 0...10 kHz	3-way	24...240 Vac/dc	(1)	17.5x84x79	X756512
0...20 / 4...20 mA	0...1 / 0...10 kHz			(1)		

Notes

- (1) = programmable signal by dip-switches
- (2) = single value signal
- (3) = 2 channel version

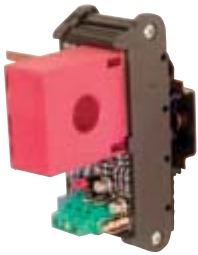
- (4) = 2-way 1.5 kVac / 60s isolation or 3-way 1.5 kVac / 60s isolation
- (5) = 3-way 4 kVac / 60s isolation
- (6) = 2-way 0.5 kVac / 60s isolation

Analog/digital and digital/analog converters

Input	Output	Insulation	Supply voltage	Notes	Dimensions	Code
0...10 V	8 BIT	—	24 Vdc	—	25x99x94	XW000933
0...20 mA	8 BIT	—	24 Vdc	—	25x99x94	XW000934
4...20 mA	8 BIT	—	24 Vdc	—	25x99x94	XW000935
8 BIT	0...10 V	—	24 Vdc	—	25x99x94	XW000936
8 BIT	0...20 mA	—	24 Vdc	—	25x99x94	XW000937
8 BIT	4...20 mA	—	24 Vdc	—	25x99x94	XW000938

Converters

Current converters



XCCIS1

Input	Output	Insulation	Supply voltage	Notes	Dimensions	Code
0...50 A ac	soglia/threshold 1...30 A	2-way	24 Vdc	(3)	37x75x93	XCCIS1
0...50 A ac	soglia/threshold 2...40 A	2-way	24 Vdc	(4)	37x75x93	XCCISR
0...1 A ac/dc	0...10 V 0...20 / 4...20 mA	2-way	24 Vdc	(2)	25x99x94	XW000928
0...1 A ac/dc	0...10 V	2-way	24 Vdc	(1)	25x99x94	XW001197
0...1 A ac/dc	0...20 mA	2-way	24 Vdc	(1)	25x99x94	XW001202
0...1 A ac/dc	4...20 mA	2-way	24 Vdc	(1)	25x99x94	XW001207
0...5 A ac/dc	0...10 V 0...20 / 4...20 mA	2-way	24 Vdc	(2)	25x99x94	XW000929
0...5 A ac/dc	0...10 V	2-way	24 Vdc	(1)	25x99x94	XW001198
0...5 A ac/dc	0...20 mA	2-way	24 Vdc	(1)	25x99x94	XW001203
0...5 A ac/dc	4...20 mA	2-way	24 Vdc	(1)	25x99x94	XW001208
0...10 A ac/dc	0...10 V 0...20 / 4...20 mA	2-way	24 Vdc	(2)	25x99x94	XW000930
0...10 A ac/dc	0...10 V	2-way	24 Vdc	(1)	25x99x94	XW001199
0...10 A ac/dc	0...20 mA	2-way	24 Vdc	(1)	25x99x94	XW001204
0...10 A ac/dc	4...20 mA	2-way	24 Vdc	(1)	25x99x94	XW001209
0...20 A ac/dc	0...10 V 0...20 / 4...20 mA	2-way	24 Vdc	(2)	25x99x94	XW000931
0...20 A ac/dc	0...10 V	2-way	24 Vdc	(1)	25x99x94	XW001200
0...20 A ac/dc	0...20 mA	2-way	24 Vdc	(1)	25x99x94	XW001205
0...20 A ac/dc	4...20 mA	2-way	24 Vdc	(1)	25x99x94	XW001210
0...50 A ac/dc	0...10 V 0...20 / 4...20 mA	2-way	24 Vdc	(2)	25x99x94	XW000932
0...50 A ac/dc	0...10 V	2-way	24 Vdc	(1)	25x99x94	XW001201
0...50 A ac/dc	0...20 mA	2-way	24 Vdc	(1)	25x99x94	XW001206
0...50 A ac/dc	4...20 mA	2-way	24 Vdc	(1)	25x99x94	XW001211

Notes

(1) = single value signal
(2) = 3 selectable signals

(3) = with open collector threshold output
(4) = with SPDT relay threshold



XW000929



XW001205

Frequency / analog programmable converters

Input	Output	Insulation	Supply voltage	Notes	Dimensions	Code
0...28.8 kHz	0...10 V 0...20 / 4...20 mA	2-way	24 Vac/dc	(1)	17.5x84x79	X756524

Notes

(1) = 21 programmable input signal

Convertitori analogico / soglia Analog / Threshold converters

Input	Output	Insulation	Supply voltage	Notes	Dimensions	Code
0...10 V	1 SC / SPDT	2-way	24 Vdc	(1)	25x99x94	XW000926
0...20 mA	1 SC / SPDT	2-way	24 Vdc	(2)	25x99x94	XW000927

Notes

(1) = 0.3...10 V adj threshold and 0.1...10 V adj hysteresis

(2) = 0.6...20mA adj threshold and 0.6...20 mA adj hysteresis



XW000926

Load cell converters

Input	Output	Insulation	Supply voltage	Notes	Dimensions	Code
ponti resistivi / load cell, strain gauge	0...10 V 0...20 / 4...20 mA	—	24 Vac/dc	—	17.5x84x79	X756522

Converters

Temperature converters



X756817



X756844



XNPNPNP

Sensor type	Input	Output	Insulation	Supply voltage	Notes	Dimensions	Code
PT100, PT500, PT1000 Ni100, Ni1000 PTC, KTY Potentiometers 0...5 kΩ Thermocouples B, C, D, E, J, K, L, N, R, S, T, U	-200 ... +2400 °C (-328 ... +4352 °F) Programmable	0...10 / 2...10 V 0...20 / 4...20 mA	3-way	24 Vac/dc	(1)	6.2x115.5x90	X756890
PT100 (RTD)	-50...+50 °C (-58...+122 °F) -50...+100 °C (-58...+212 °F) -50...+150 °C (-58...+302 °F) 0...+100 °C (+32...+212 °F) 0...+150 °C (+32...+302 °F) 0...+200 °C (+32...+392 °F) 0...+300 °C (+32...+572 °F) 0...+400 °C (+32...+752 °F)	0...10 V 0...20 / 4...20 mA	3-way	24 Vac/dc	(2)	17.5x84x79	X756816
PT100 (RTD)	-50...+50 °C (-58...+122 °F) -50...+100 °C (-58...+212 °F) -50...+150 °C (-58...+302 °F) 0...+100 °C (+32...+212 °F) 0...+150 °C (+32...+302 °F) 0...+200 °C (+32...+392 °F) 0...+300 °C (+32...+572 °F) 0...+400 °C (+32...+752 °F)	0...10 V 0...20 / 4...20 mA	3-way	24...240 Vac/dc	(2)	17.5x84x79	X756817
J (FeCuNi) K (NiCrNi)	-50...+200 °C (-58...+392 °F) -50...+350 °C (-58 ...+662 °F) 0...+200 °C (+32...+392 °F) 0...+400 °C (+32...+752 °F) 0...+600 °C (+32...+1112 °F) 0...+800 °C (+32...+1472 °F) 0...+1000 °C (+32...+1832 °F) 0...+1200 °C (+32...+2192 °F)	0...10 V 0...20 / 4...20 mA	3-way	24 Vac/dc	(2)	17.5x84x79	X756844
J (FeCuNi) K (NiCrNi)	-50...+200 °C (-58...+392 °F) -50...+350 °C (-58 ...+662 °F) 0...+200 °C (+32...+392 °F) 0...+400 °C (+32...+752 °F) 0...+600 °C (+32...+1112 °F) 0...+800 °C (+32...+1472 °F) 0...+1000 °C (+32...+1832 °F) 0...+1200 °C (+32...+2192 °F)	0...10 V 0...20 / 4...20 mA	3-way	24...240 Vac/dc	(2)	17.5x84x79	X756847
PT100 (RTD)	-50...+150 °C (-58...+302 °F) 0...+200 °C (+32...+392 °F) 0...+400 °C (+32...+752 °F)	0...50 / 0...100 Hz 0...1 / 0...10 kHz	3-way	24 Vac/dc	(2)	6.2x92.5x90	X756811
J (FeCuNi)	0...+200 °C (+32...+392 °F) 0...+400 °C (+32...+752 °F) 0...+600 °C (+32...+1112 °F)	0...50 / 0...100 Hz 0...1 / 0...10 kHz	3-way	24 Vac/dc	(2)	6.2x92.5x90	X756831
K (NiCrNi)	0...+200 °C (+32...+392 °F) 0...+400 °C (+32...+752 °F)	0...50 / 0...100 Hz 0...1 / 0...10 kHz	3-way	24 Vac/dc	(2)	6.2x92.5x90	X756871

Notes

(1) = programmable signal by software

(2) = programmable signal by dip-switches

Auxiliary supply for loop sensors and potentiometers

Input	Output	Insulation	Supply voltage	Notes	Dimensions	Code
24 Vdc	10 Vdc	2-way	—	—	6.2x92.5x90	X766084

NPN and PNP signal inverters

Input	Output	Insulation	Supply voltage	Notes	Dimensions	Code
NPN (17...30 Vdc)	PNP	—	—	—	12x45x77	XNPNPNP
PNP (17...30 Vdc)	NPN	—	—	—	12x45x77	XNPNPNP

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