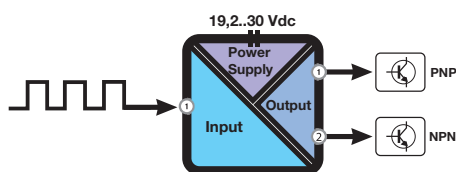


# K112

## UNIVERSAL DIGITAL COUPLER/ISOLATOR



K112 isolation module has been designed to adapt specific on/off sensors to a standard NPN and/or PNP connection. It's a useful solution to interface a proximity sensor with a plc. The two outputs (PNP and NPN) can be utilized simultaneously. A 2-way galvanic isolation among input // output circuits assures the integrity of your data.

### TECHNICAL SPECIFICATIONS

#### General Data

Power supply	19,2..30 Vdc
Power consumption	500 mW
Isolation	1.500 Vac (2 way)
Transducers Power Supply	Yes
Status Indicators	Power, output state
Accuracy	-
Response time	-
Settings	Dip-switches
Mounting	35 mm DIN rail guide
Protection Degree	IP20
Operating Temperature	-20..+65 °C
Dimension (W x H x D)	6,2 x 93,1 x 102,5 mm

#### Input

Channel Numbers	1
Pulses	Contact IEC 1131.2 (type1) Namur (DIN 19234, EN 60947-5-6) NPN / PNP (12 o 22 V) 2/3 wires Reed Photocell Max frequency: 400 Hz

#### Output

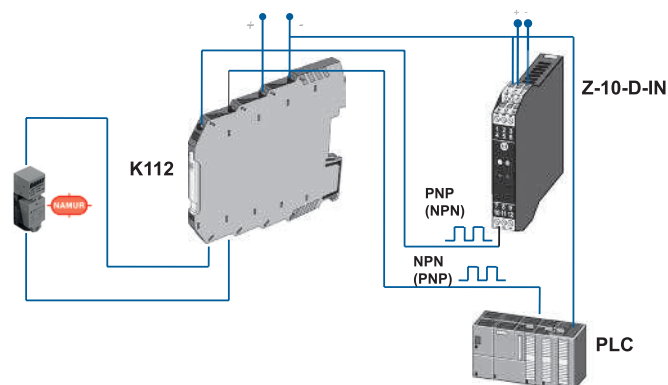
Channel Numbers	1
Contact	PNP e NPN simultaneous channels Max current 200 mA Max voltage 30 V (continuous), 50 V (pulse)

#### Standard

Approval	CE
Norms	EN 50081-2; EN 55011; EN 50082-2; EN 61000-2-2/4; EN 50140/141; EN 61010-1

### APPLICATION NOTE


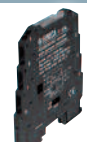
Isolated digital coupling Namur sensor - acquisition system / PLC







### ORDER CODES

Code	Description
K112	Universal digital coupler/isolator, power supply 19,2..30 Vdc

### ACCESSORIES & SOFTWARE

	
<b>K-BUS</b>	<b>K-SUPPLY</b>
Backplane for power connection	Redundant power supply module

			
<b>Z104</b>	<b>Z111</b>	<b>K111</b>	<b>S311D</b>
DC current/voltage to frequency isolator/ converter	Frequency to DC current/voltage isolator/converter	Isolated dual output frequency trip amplifier	Frequency / digital input indicators - totalizers