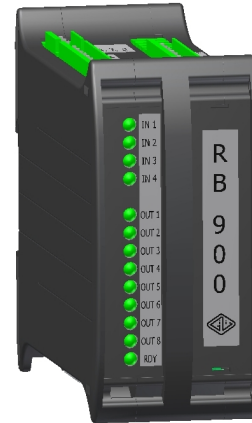


Code ST02	Project A44-A	Release B	TECHNICAL DATASHEET
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REMOTE BOARD RB900

GENERAL FEATURES

- The remote board **RB900** provides the VISION 900 digital readout with digital Input/Output (I/O RB900) or with an analog output 0 - 10 V (CSS RB900).
- 8 switching outputs with static relays N.O. protected against overload and overcurrent.
- 4 optoisolated and independent inputs, for the "Preset" of positions on the axes.
- Analog output DAC at 0 - 10 V for "Constant Surface Speed" machinings.
- Possibility of storing up to 10 PROGRAMS of relay intervention. For each program, it is possible to set up to 8 operating positions of the relay outputs.
- 1 switching output with static relay N.O., for the "Ready" state.
- Direct power supply from the digital readout, or external power supply (PWS) 12 - 24 Vac - 50/60 Hz, or 12 - 24 Vdc.
- Installation on guide DIN (EN 60715) TH 35.



MECHANICAL AND ELECTRICAL CHARACTERISTICS

Model	I/O RB900 - CSS RB900
Power supply from VISION 900	5 Vdc \pm 10%
External power supply (PWS) *	12 - 24 Vac \pm 10% - 50/60 Hz 12 - 24 Vdc \pm 10%
Power	1.5 W _{MAX}
Current consumption	240 mA _{MAX} (5 Vdc from VI900) 60 mA _{MAX} (24 Vdc from external power supply PWS)
Inputs	V _{INHIGH} = 4.5 \div 30 Vdc V _{INLOW} = 0 \div 2 Vdc t _{MIN} = 100 ms optoisolated and independent
Digital outputs	static N.O. relay contacts, 60 Vac/dc _{MAX} , 0.6 A _{MAX} , 0.36 W _{MAX} protected against overload and overcurrent
Analog output	0 - 10 Vdc
Connections	D-SUB 15p M (COM1) terminal block 3p M (external power supply PWS) terminal block 12p M (input/output)
Dimensions	101 x 47.2 x 119 mm
Protection class (EN 60529)	IP 20
Operating temperature	0 °C \div 50 °C
Storage temperature	-20 °C \div 70 °C
Weight	250 g

* Optional

ORDERING CODE

MODEL	TYPE	OPTIONS	CABLE LENGTH
RB900	I/O	PWS	M03

I/O = input/output (digital)
CSS = analog output 0 - 10 V

No cod. = standard
PWS = external power supply
5VI = isolated +5V output
PWS5VI = external power supply with isolated +5V output

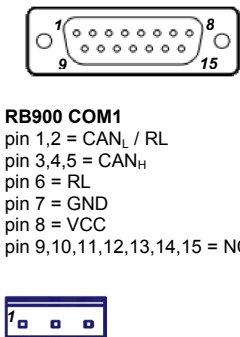
Mnn = length in m
M03 = 3 m (standard)
M15 = 15 m (max)

Example  **MODULE RB900 I/O PWS M03**

Code ST02	Project A44-A	Release B	TECHNICAL DATASHEET
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CONNECTIONS

LEGEND

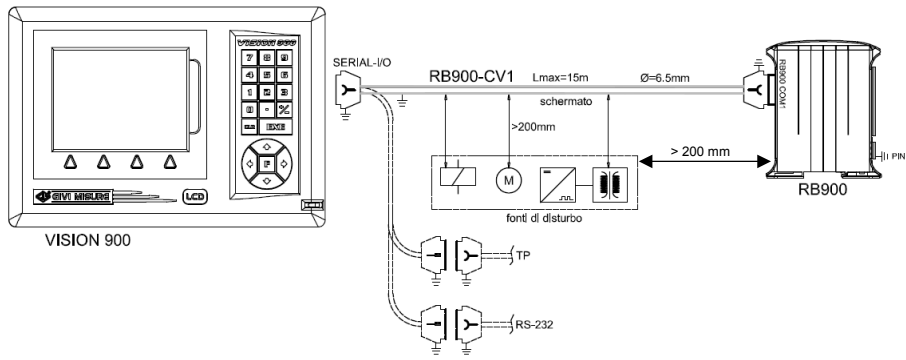
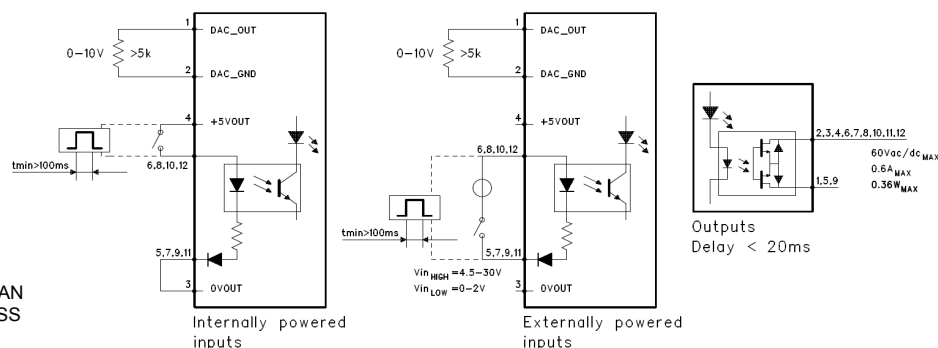


RB900 COM1
 pin 1,2 = CAN_L / RL
 pin 3,4,5 = CAN_H
 pin 6 = RL
 pin 7 = GND
 pin 8 = VCC
 pin 9,10,11,12,13,14,15 = NC

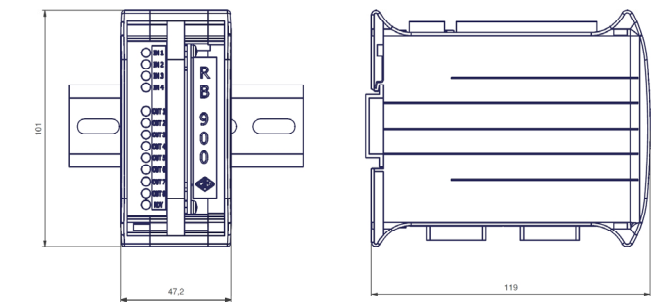
RB900 PWS
 pin 1 = \ominus
 pin 2 = AC1 (DC+)
 pin 3 = AC2 (DC-)

RB900 INPUT/OUTPUT

pin 1 = DAC OUT	RB900 OUTPUT
pin 2 = DAC GND	pin 1 = COM1
pin 3 = 0 V OUT	pin 2 = OUT11
pin 4 = +5 V OUT	pin 3 = OUT12
pin 5 = IN1-	pin 4 = OUT13
pin 6 = IN1+	pin 5 = COM2
pin 7 = IN2-	pin 6 = OUT21
pin 8 = IN2+	pin 7 = OUT22
pin 9 = IN3-	pin 8 = OUT23
pin 10 = IN3+	pin 9 = COM3 / INV
pin 11 = IN4-	pin 10 = OUT31 / MAN
pin 12 = IN4+	pin 11 = OUT32 / CSS
	pin 12 = RDY

DIMENSIONS



Installation on guide DIN (EN 60715) TH 35

☞ Leave enough space around the module for cables connection.

WARNING

- The instrument must be installed by specialized personnel in observance of the instructions provided by the Manufacturer.
- We recommend the use of a mains power supply provided with an input filter and fuses; the power distribution network to which the instrument is connected must be equipped with a sectioning device in compliance with the regulations in force, positioned closed to the instrument.
- In order to prevent fire or explosion, do not use the instrument in the presence of flammable gas, solvents, explosives, etc.
- Before installing the instrument, make sure the machine to which it will be applied complies with 98/37/EC Directive.
- All of the equipments connected to the instrument must have insulation characteristics in compliance with the regulations in force.
- The instrument cannot be opened by non-specialized personnel. In addition, mains power must not be connected.
- The front panel can be cleaned only after disconnecting power supply, using a moist cloth. Do not use solvents.