


Saia PCD1.M2xxx controller

Power supply and user I/Os


Pin	X3 (Supply)	Pin	X0 (I/O's)	Pin	X1 (Inputs)	Pin	X2 (Serial)
30...32	+24 VDC	0	PGND	11...14	Input 0...3	20...29	according inserted PCD7.F1xxS module
33, 34	0VDC	1	+24 VDC ext.	15, 16	Interrupt 0, 1		
35, 36	WD relay	2	PWM	17	AGND		
37	not used	3-6	Output 0...3	18, 19	Analogue Input		
38, 39	RS-485 /D and D	7...10	Mixed I/O 4...7				

Conformity to CE directive

This system is developed according to the international standard EN/IEC61131-2:2007 and so complies with CE directives concerning EMC-Directive 2004/108/EC, Low voltage-Directive 2006/95/EC and Restricted of Hazardous substances (ROHS) 2011/65/EC.

UL Compliance, according to the following conditions		Conformité UL sous les conditions suivantes
This device is suitable for use in a 55 °C maximum ambient!		Température de service jusqu'à 55 °C ambiant.
Use of 60/75 °C copper (CU) wire only.		N'utiliser que des fils de cuivre, isolation 60/75 °C.
If use of Screw Terminal Maximum tightening torque 0.5 Nm.		Couple de serrage des bornes 0.5 Nm max.
Replace battery with CR2032 Renata only, which can be ordered at SBC part N°. 4 507 4817 0 or obtained at every electronic/multimedia shops. Use of another Battery may present a risk of fire or explosion!		Remplacez la pile avec CR2032 Renata uniquement, qui peut être achetée chez SBC Art. N°. 4 507 4817 0 ou obtenu dans chaque magasin d'électronique. L'usage d'une autre pile peut présenter un risque de feu ou d'explosion !
WARNING: Battery may explode if mistreated. Do not recharge, disassemble or dispose of in fire!		Avertissement : Possibilité d'explosion si mal traitée. Ne pas recharger, démonter ou jeter dans le feu !

Certificates

	EAC Mark of Conformity for Machinery Exports to Russia, Kazakhstan or Belarus
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Saia PCD COSinus operating system

The operating system on the PCD1.M2xxx can be updated via any S-Bus PGU port (serial line, USB, Ether-S-Bus). Check site below for new versions.

Conditions to use this product

- PCD1.M2120/M2020:
 - Saia PG5® V2.0.150 with Patch 2 or higher
 - COSinus 1.16.27 or higher
- PCD1.M2160:
 - Saia PG5® V2.0.210 or higher
 - COSinus 1.16.52 or higher

Further information and support

Further information and Software/COSinus-Updates are available on www.sbc-support.com

Disclaimer

The plant engineer contributes his share to the reliable operation of an installation. He is responsible for ensuring that controller use conforms to the technical data and that no excessive stresses are placed on it, e.g. with regard to temperature ranges, over voltages and noise fields or mechanical stresses. In addition, the plant engineer is also responsible for ensuring that a faulty product in no case leads to personal injury or even death, nor to the damage or destruction of property. The relevant safety regulations must always be observed. Dangerous faults must be recognized by additional measures and any consequences prevented. Consistent use of the diagnostic elements of the PCD, such as the watchdog, exception organization blocks (XOB) and test or diagnostic instructions shall be made.