Saia-Burgess Controls AG
Bahnhofstrasse 18, 3280 Murten, Switzerland
T +41 26 580 30 00, F +41 26 580 34 99
www.saia-pcd.com – www.sbc-support.com

Saia PCD2/3.H222 – Stepper Module

Module overview

PCD2.H222	Stepper Module for 2 axes
PCD3.H222	Stepper Module for 2 axes

The Stepper Modules are designed for the PCD2 and PCD3 systems and requires following system versions:

- **PG5 Version 2.1.210** or higher
- **PCD Firmware Version 1.20.25** or higher

Wiring diagram

Terminals X-axis

0	EMSTOP (for both axes)
1	LS1_X
2	LS2_X
3	REF_X
4	TRIG_X
5	MOTEN_X
6	DIR_X
7	PUL_X
8	PGND (internally connected)
9	+24V (internally connected)

Terminals Y-axis

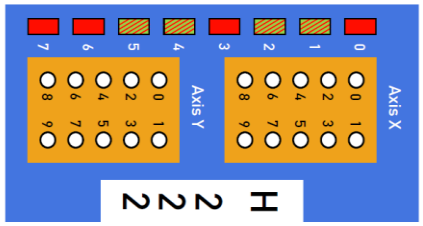
0	Not used
1	LS1_Y
2	LS2_Y
3	REF_Y
4	TRIG_Y
5	MOTEN_Y
6	DIR_Y
7	PUL_Y
8	PGND (internally connected)
9	+24V (internally connected)

Axis X			
0	EMSTOP	LS1	1
2	LS2	REF	3
4	TRIG	MOTEN	5
6	DIR	PUL	7
8	0V	24V	9

Axis Y			
0		LS1	1
2	LS2	REF	3
4	TRIG	MOTEN	5
6	DIR	PUL	7
8	0V	24V	9

Signal description

LED 0: Voltage in input REF X
LED 1 (red): Voltage in input LS1
LED 1 (green): Voltage in input LS2
LED 2 (red): Voltage in output MOTEN and output DIR
LED 2 (green): Voltage in output MOTEN and 0 V in output DIR
LED 3: Voltage in input REF Y
LED 4 (red): Voltage in input LS1
LED 4 (green): Voltage in input LS2
LED 5 (red): Voltage in output MOTEN and output DIR
LED 5 (green): Voltage in output MOTEN and 0 V in output DIR
LED 6: Voltage in input EMSTOP
LED 7: Visualisation of erroros



How to handle with module

Take care by handling with the PCD2/3.H222 modules since all those electronic devices are sensitive and may become corrupted by electro static discharges!

No changes (e.g. plugging/unplugging modules) should be made with the power switched on.

For more information please refer to:
www.sbc-support.com

©Saia-Burgess Controls AG – August 2020

Saia-Burgess Controls AG
Bahnhofstrasse 18, 3280 Murten, Switzerland
T +41 26 580 30 00, F +41 26 580 34 99
www.saia-pcd.com – www.sbc-support.com

Saia PCD2/3.H222 – Stepper Module

Module overview

PCD2.H222	Stepper Module for 2 axes
PCD3.H222	Stepper Module for 2 axes

The Stepper Modules are designed for the PCD2 and PCD3 systems and requires following system versions:

- **PG5 Version 2.1.210** or higher
- **PCD Firmware Version 1.20.25** or higher

Wiring diagram

Terminals X-axis

0	EMSTOP (for both axes)
1	LS1_X
2	LS2_X
3	REF_X
4	TRIG_X
5	MOTEN_X
6	DIR_X
7	PUL_X
8	PGND (internally connected)
9	+24V (internally connected)

Terminals Y-axis

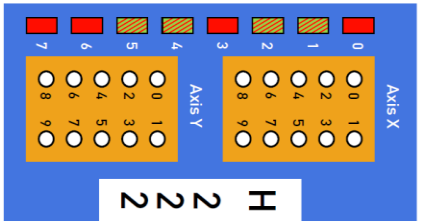
0	Not used
1	LS1_Y
2	LS2_Y
3	REF_Y
4	TRIG_Y
5	MOTEN_Y
6	DIR_Y
7	PUL_Y
8	PGND (internally connected)
9	+24V (internally connected)

Axis X			
0	EMSTOP	LS1	1
2	LS2	REF	3
4	TRIG	MOTEN	5
6	DIR	PUL	7
8	0V	24V	9

Axis Y			
0		LS1	1
2	LS2	REF	3
4	TRIG	MOTEN	5
6	DIR	PUL	7
8	0V	24V	9

Signal description

LED 0: Voltage in input REF X
LED 1 (red): Voltage in input LS1
LED 1 (green): Voltage in input LS2
LED 2 (red): Voltage in output MOTEN and output DIR
LED 2 (green): Voltage in output MOTEN and 0 V in output DIR
LED 3: Voltage in input REF Y
LED 4 (red): Voltage in input LS1
LED 4 (green): Voltage in input LS2
LED 5 (red): Voltage in output MOTEN and output DIR
LED 5 (green): Voltage in output MOTEN and 0 V in output DIR
LED 6: Voltage in input EMSTOP
LED 7: Visualisation of erroros



How to handle with module

Take care by handling with the PCD2/3.H222 modules since all those electronic devices are sensitive and may become corrupted by electro static discharges!

No changes (e.g. plugging/unplugging modules) should be made with the power switched on.

For more information please refer to:
www.sbc-support.com

©Saia-Burgess Controls AG – Auguste 2020