CE

Model Number

PAX001-F160-6I14E2-B14

Electronic cam-operated switch group

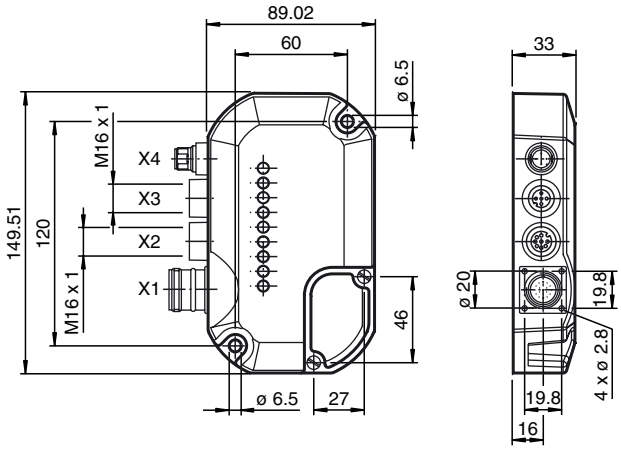
Features

- **Freely positionable**
- **Simple installation**
- **Simple operating software**
- **Robust and insensitive to ambient interference**
- **Field mountable**

Technical data

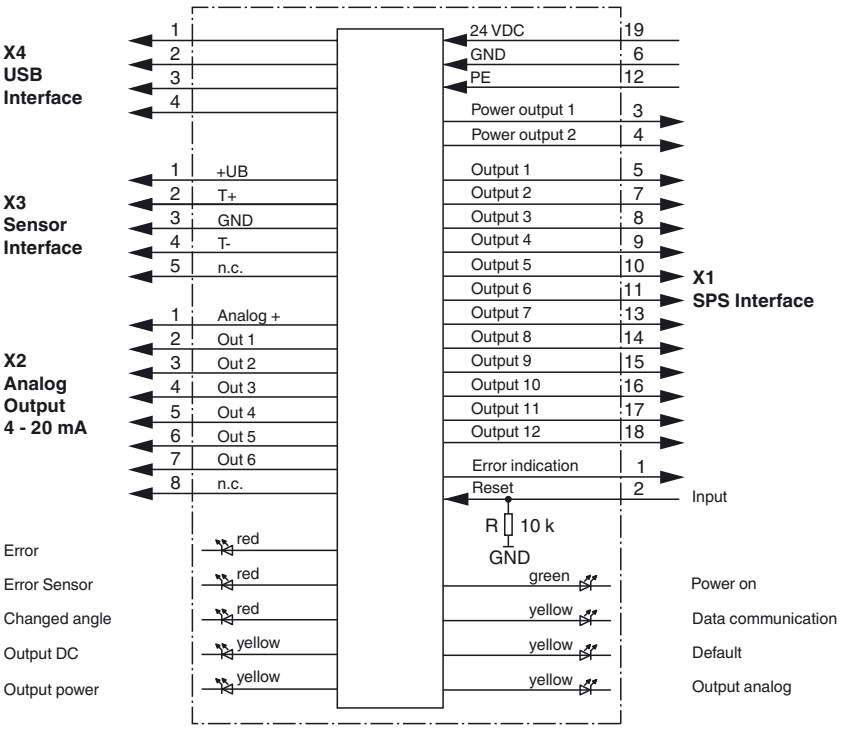
General specifications	
Switch-on delay	10 s
Data storage	Standard Micro SD flash card
Programming	by means of internal MS-Windows™ software (device is detected as an external flash drive).
Nominal ratings	
Response delay	20 ms
Indicators/operating means	
Operation indicator	LED, green
Status indicator	8 LEDs , red and yellow
Electrical specifications	
Operating voltage U_B	20 ... 30 V DC (SELV/PELV)
No-load supply current I_0	≤ 90 mA (without sensor)
Interface	
Interface type	USB 2.0 for parameterization tool
Input	
Input type	RS 232 interface for Ind. angular measuring system
Switching output	
Output type	12 switch outputs PNP, short circuit / overload protected 2 high power outputs PNP, not short-circuit protected
Operating current I_L	switch outputs: ≤ 250 mA , total ≤ 1.5 A high power outputs: ≤ 1.5 A , total ≤ 2.2 A
Short-circuit protection	pulsing
Analog output	
Output type	6 current outputs 4 ... 20 mA (current sinks)
Load resistor	≤ 600 Ω at 24 V DC
Ambient conditions	
Ambient temperature	-25 ... 70 °C (-13 ... 158 °F)
Mechanical specifications	
Connection type	X1, M23 connector X2, M12 x 1 socket X3, M12 x 1 socket X4, M12 x 1 connector
Housing material	PBT
Degree of protection	IP65
General information	
Note	Length of cable at X1 and X2: max. 30 m Length of cable at X3 and X4: max. 2 m
Compliance with standards and directives	
Standard conformity	
Standards	EN 61000-4-2: 2009, EN 61000-4-3: 2006 + A1: 1008, EN 61000-4-4: 2004, EN 61000-4-5: 2006, EN 61000-4-6: 2009, EN 55011: 2009, EN 61000-6-2: 2005, EN 61000-6-4: 2007

Dimensions



Release date: 2014-12-04 10:46 Date of issue: 2014-12-04 212898_eng.xml

Electrical Connection



Accessories

PMI360D-F130-R2-V15
Position sensor for PAX001

V23-19-G-10M-PUR
Female cordset, M23, 19-pin, PUR cable

V15-G-2M-PUR-V15-G
Connecting cable, M12 to M12, PUR cable 5-pin

PAX001-USD-CARD
Micro SD memory card

V23-19-G
Female cordset, field attachable

V19S-G-ABG-PG9
Cable connector, M12, 8-pin, shielded, non pre-wired

V19S-G-BK5M-PUR-U/ABG
Cable connector, M12, 8-pin, PUR cable, shielded

V1-G-2M-PVC-USBA
adapter cable, M12 to USB, 4-pin PVC cable

Quick Guide

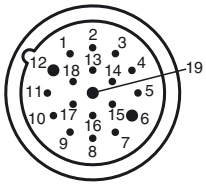
The manual for the electronic cam controller PAX001 with the comprehensive description of the device is available as a PDF file on the Micro SD card installed in the PAX001. Print out the manual and read it carefully before using the electronic cam controller PAX001.
This quick guide will help you access the manual.
Note:
Make sure that the included Micro SD card with the PAX software is installed and locked under the top cover of the electronic cam controller PAX001.

Access to the manual

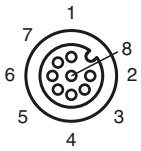
1. Make a connection between the electronic cam controller PAX001 and a free USB port on your computer.

Additional Information

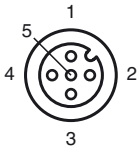
X1 - PLC interface



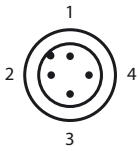
X2 - Analog outputs



X3 - Sensor interface



X4 - USB interface



Release date: 2014-12-04 10:46 Date of issue: 2014-12-04 212898_eng.xml

2. Connect the power supply to pins 19 (+ UB) and 6 (GND) of the 19-pin connector on the PAX001.
   ➠ The "Power" LED lights up green.
   ➠ The installed micro SD card is now recognized by the PC as an external drive.
3. Confirm Windows messages concerning the detection of new hardware.
   ➠ On your desktop, then an Explorer window opens showing the files and folders on the Micro SD card.

4. Navigate to the folder MANUAL
   There you will find the manual as a PDF file in several languages.
5. Open the manual in the desired language.
   We recommend to make a hardcopy of the manual. If necessary, create a backup copy of the PDF file on your local hard disk.

Release date: 2014-12-04 10:46 Date of issue: 2014-12-04 212898_eng.xml