

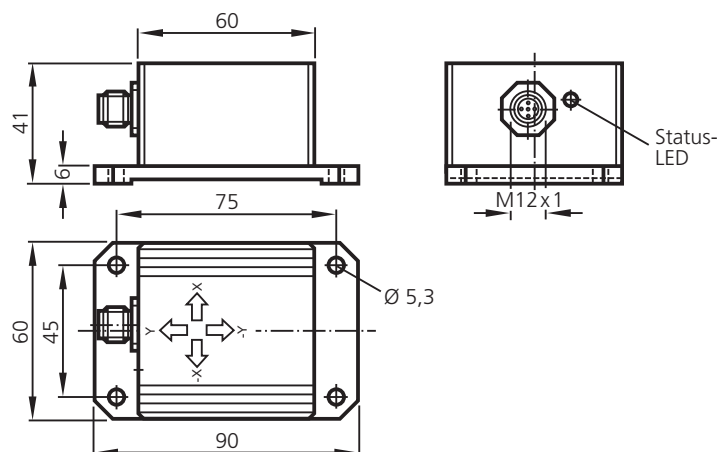
CR2101

Inclination sensor
2 axes

CANopen
Interface

Operating voltage
10...32 V DC

Measuring range
 $\pm 15^\circ$



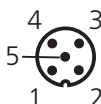
Application

2-axis position monitoring and zero levelling for mobile applications

Housing
Mounting plate
Dimensions (w x h x d)
Mounting
Protection
Connection
Operating voltage
Current consumption
Operating temperature
Storage temperature
Measuring range (per axis)
Resolution
Hysteresis
Accuracy
Temperature stability
Zero drift
Sensitivity
Interface
Baud rate
Communication profile
Node ID (default)
Status LED
Operating status (Status LED)
If both faults occur simultaneously, the LED appears orange.
Wiring

aluminium, black anodised
aluminium, natural-coloured
90 x 60 x 41 mm
by means of 4 x M5 screws
IP 67
M12 plug for operating voltage and CAN bus, 5 pins (type Lumberg)
10...32 V DC
≤ 100 mA
-25...+85°C
-25...+85°C
±15°
parameter setting up to 0.001°
0.01°
0.025°
< 0.0013°/K
< 0.006°/K
CAN interface 2.0 B, ISO 11898
10 kBit/s... 1 MBit/s (125 kBit/s default)
CANopen, CiA DS 301 version 3.0
hex 20 (= 32)
two-colour LED (red/green)

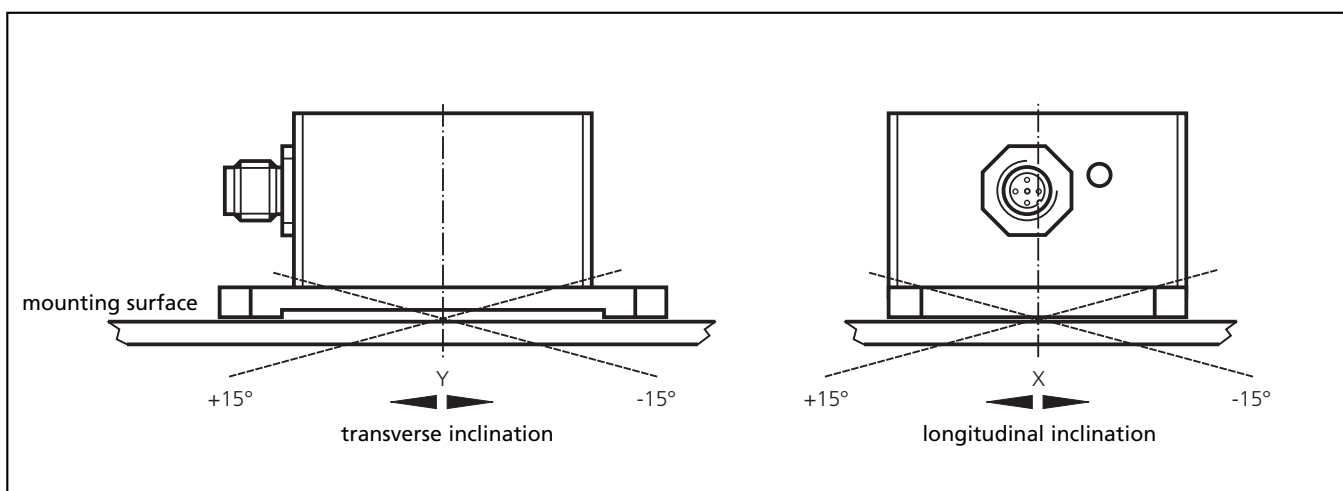
LED colour	Flashing frequency	Description
green	constantly off constantly on 2.0 Hz	no operating voltage CANopen: PREOPERATIONAL / PREPARED CANopen: OPERATIONAL
red	constantly on	communication fault



Description	Pin	Potential
Operating voltage	1	screen
	2	10...32 V DC
CAN interface	3	CAN_GND
	4	CAN_H
	5	CAN_L

CR2101

Fitting position



Immunity
to conducted interference

Immunity
to interfering fields

Interference emission

Test standards and regulations

to ISO 7637-2: 2004, pulses 2a, 3a, 3b, 4, severity level 4, function state A
to ISO 7637-2: 2004, pulse 1, 2b, severity level 4, function state C
to ISO 7637-2: 2004, pulse 5, severity level 1, function state A

to directive 2005/49/EC at 30 V/m (e1 type approval)
and EN 500 82-2 (CE)

to directive 2005/49/EC (e1 type approval)
and EN 500 81-1 (CE)