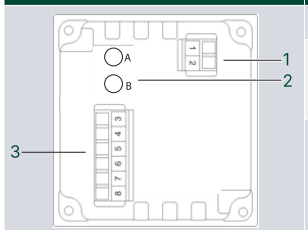
3. Wiring of analogue version

There is a maximum and zero calibration trimmer on the rear of the indicator. These trimmers have been factory set and are covered by a calibration seal on delivery.

Wiring of analogue version

	Number	Item	Notes
	1	Supply voltage connector	
	2	Calibration trimmers	Maximum and zero calibration adjustment trimmers. Factory set and covered with calibration seal on delivery.
	3	Analogue input	

Terminal no.	Function		Notes
1	Supply voltage	OV	Max. consumption 150 mA
2		24 V	
3	Analogue input	Input 1 (Sin)	Input 1 and Input common are used for single input. With 4 to 20 mA, Input 1 is clockwise and Input 2 is counter clockwise. Input common is the same for Input 1 and Input 2.
4		Input common	
5		Input 2 (Cos)	
6	Illumination	Illumination +	Dimmer input. Dimmer input range 7 to 30 V DC. Max consumption 30 mA.
7		Illumination GND	
8		NC	Not connected. Can be used freely.
A	Calibration trimmer		Maximum and zero calibration adjustment trimmers. Factory set and covered with calibration seal on delivery. For 360 degree versions, trimmer A is for EM selection and trimmer B is for the zero adjustment.
B	Calibration trimmer		

sCAN version

Special means for setting the minimum, zero and maximum pointer setting are provided. Pointer direction of rotation can also be set.

Dimmer wiring

Even if CAN dimming is used there must be a supply connection to the dimmer circuit on terminal 10 and 11. This is because the dimmer circuit is galvanically separated from the built-in power supply.

A direct connection between terminal 1-10 and 2-11 will enable illumination .

CAN bus termination

Both ends of the CAN bus must be terminated with a 120 Ω resistor.

XL

Illuminated indicators

Quick guide

4189350054D

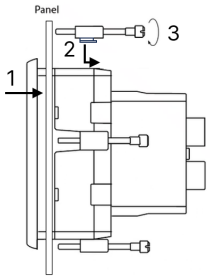
DEIF Improve Tomorrow

1. Installation

Must be fitted accordance with the DIN standard.

Fit the unit from the front, inserting the unit into the panel cut-out. Secure the unit to the panel from the rear of the panel, using the supplied fixing clamps.

Type/size	Panel cut-out (mm)	Tolerance (mm)	IP52 fixing clamps	IP66 fixing clamps
XL72	68.5 x 68.5	-0.0/+0.7	2	4
XL96	92.5 x 92.5	-0.0/+0.8	2	4
XL144	138.5 x 138.5	-0.0/+1.0	4	8
XL92	186.5 x 186.5	-0.0/+1.1	4	8



1. Insert in panel cut-out.
2. Fit clamping screws.
3. Secure unit to panel by adjusting the clamping screws.

NOTE The front cover protective film should only be removed after the installation has been approved by the class surveyor.

IP66 option

A gasket and additional fixing clamps are supplied for IP66 mounting. Carefully insert the gasket into the groove of the frame. The gasket's flat side goes into the groove and its rounded side faces outwards. Make sure that the gasket is evenly fitted and not twisted.

NOTICE

Warranty is void if the warranty seal is removed or broken

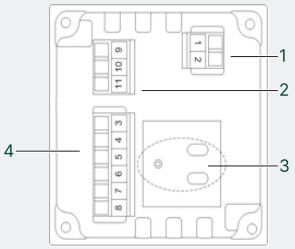
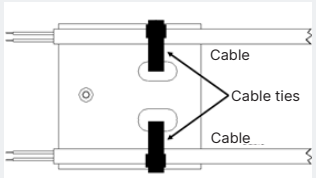
Do not open the product. Opening the product risks irreversible damage.

First-time powering up

If the indicator is not powered, the pointer position will be in a random position. On power-up, the pointer will move randomly for the first couple of seconds. This is normal operation.

On power-up the amber LED in the lower right corner of the scale area will flash once or twice and then turn off.

2. Wiring of CAN version

	Number	Item	Notes
	1	Supply voltage connector	
	2	Illumination analogue dimmer connector	
	3	Cable relief plate 	Cable relief plate is an option for CAN versions only.
	4	CAN connector	

Terminal no.	Function		Notes
1	Supply voltage	0 V	Maximum consumption 150 mA
2		24 V	
3	CAN connection	CAN 1 HIGH input	CAN 1 line (sCAN line)
4		CAN 1 LOW input	
5		CAN 1 GND	
6		CAN 2 HIGH input	CAN 2 line or for external switch for calibrating sCAN. See user manual for details.
7		CAN 2 LOW input	
8		CAN 2 GND	
9I	Illumination, analogue dimmer	NC	Dimmer input. Dimmer range 7 V to 30 V. Maximum consumption 30 mA.
10		Illumination GND	
11		Illumination +	

Powering up

On power-up, the LED will flash once and then switch off. If the LED continues to flash this means there is no communication with the CANopen lines. Communication is set to a baud rate of 125 kbit/s.

NOTE Never connect the cable shield to earth. If there is noise interrupting communication, try to connect the cable shield to the respective CAN GND on all devices in the loop. Do not connect the two cable shields together.