



Main features

- Amplifies the strain between the 2 mounting areas mechanically
- Ideal for tension mode
- Without integrated amplifier (passiv)
- For Dynamic applications
- Used on Presses and injection moulding machines
- Solid steel housing (IP54)
- External amplifier recommended (e.g. MBA; VDA, Monitor DU-1D)

Strain link sensors picks up surface-strain between the 2 mounting locations .

The strain occuring between the mounting areas is mechanically amplified inside of the sensor. Thanks to

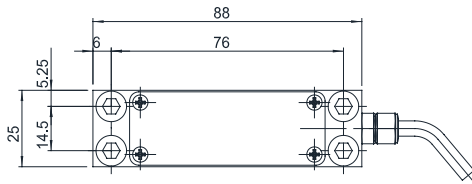
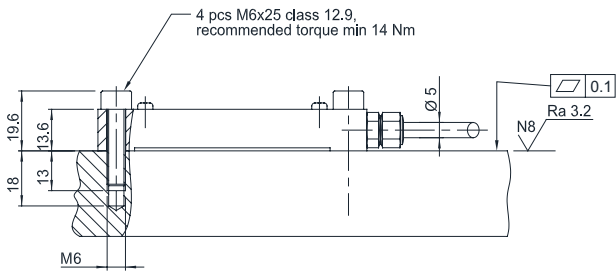
the rugged design, this sensors are used in heavy industrial environment. In case of overload, this sensor may get an offset. After replacing a SL-Sensor, they need to be recalibrated. They need a cyclical reset (for cycles >5min.). Our amplifier can handle the occuring large offset range.

TECHNICAL DATA

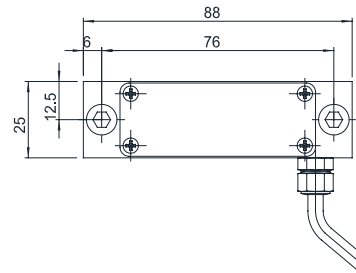
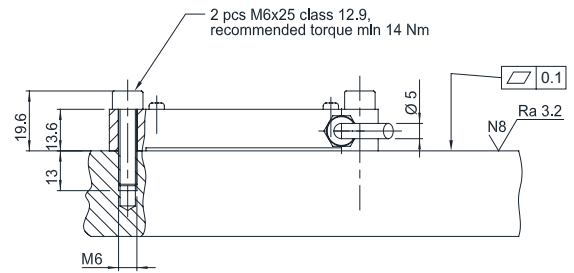
Strain gauge type	Foil (GF = 2.0)
Bridge resistance	350Ω
Measuring range	100...800µε, -100...-250µε
Sensitivity tolerance	± 1%
Accuracy	< ± 0.3% FS
Linearity	< ± 0.5% FS
Hysteresis	< ± 0.3% FS
Repeatability	< 1% (max 2%)
Nominal input resistance	350Ω
Supply voltage	5VDC (max 8VDC)
Supply current	< 15mA
Operating temperatur range	-10...65°C
Storage temperatur range	-10...65°C
Overload capability	indefinite (offset occurs)
Protection class	IP54
Case material	Aluminium
Cover material	Aluminium
Weight, including cable	110g

MECHANICAL DIMENSIONS

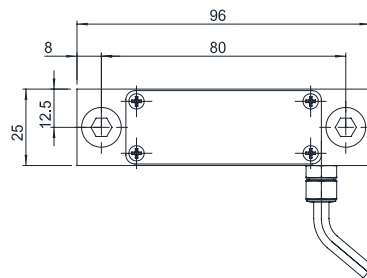
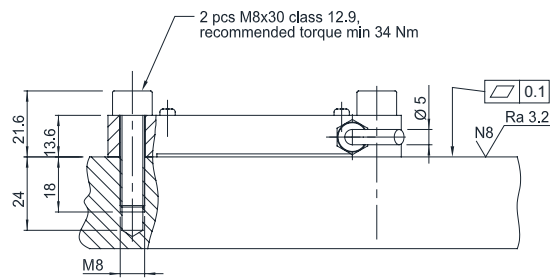
SL76 / 4 Holes



SL76 / 2 Holes

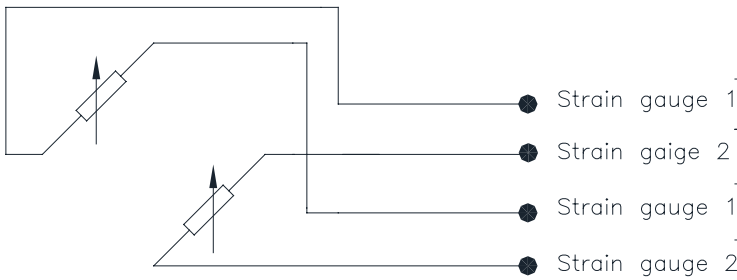


SL80 / 2 Holes

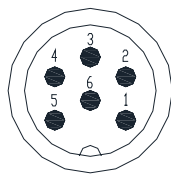


ELECTRICAL CONNECTIONS

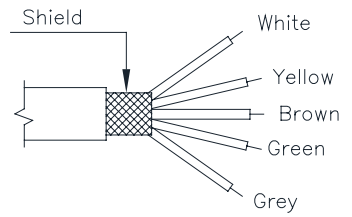
2x1/4 bridge



	OPTION O (CABLE EXIT)	OPTION C (CONNECTOR OUTPUT)
●	white	1
●	green	4
●	brown	2
●	yellow	5

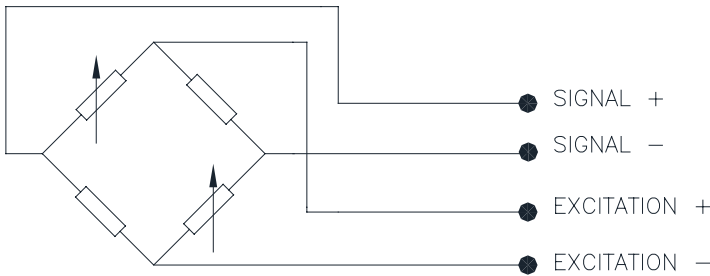


Option C :
connector 6 Pin

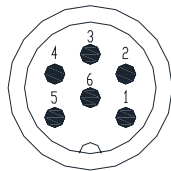


Option O :
PUR screened cable (standard);
5 x 0.14; Ø 5mm; bending 10xØ

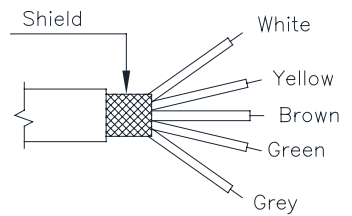
Comp. fullbridge (with 2x350Ω)



	OPTION O (CABLE EXIT)	OPTION C (CONNECTOR OUTPUT)
●	green	4
●	yellow	5
●	white	1-2
●	brown	3-6



Option C :
connector 6 Pin



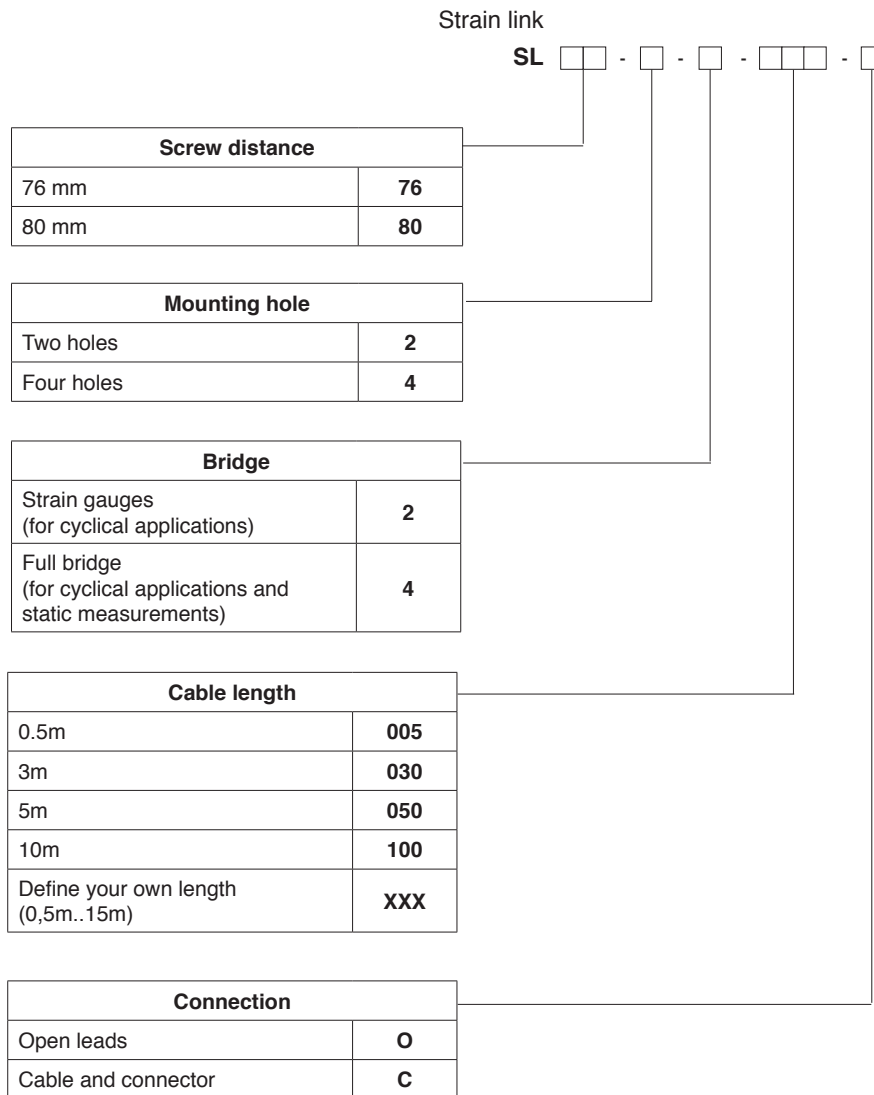
Option O :
PUR screened cable (standard);
5 x 0.14; Ø 5mm; bending 10xØ

OPTIONAL ACCESSORIES

Strain-gauge amplifiers	
VDA-amplifier*	
MBA-amplifier*	

* See amplifier's datasheet for ordering information

ORDER CODE



Example: **SL76 - 4 - 4 - 0030 - O**

It is an SL76 strain link sensor with 4 holes, 4/4 bridge, 3 m cable length and open leads.

GEFRAN spa reserves the right to make any kind of design or functional modification at any moment without prior notice.



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