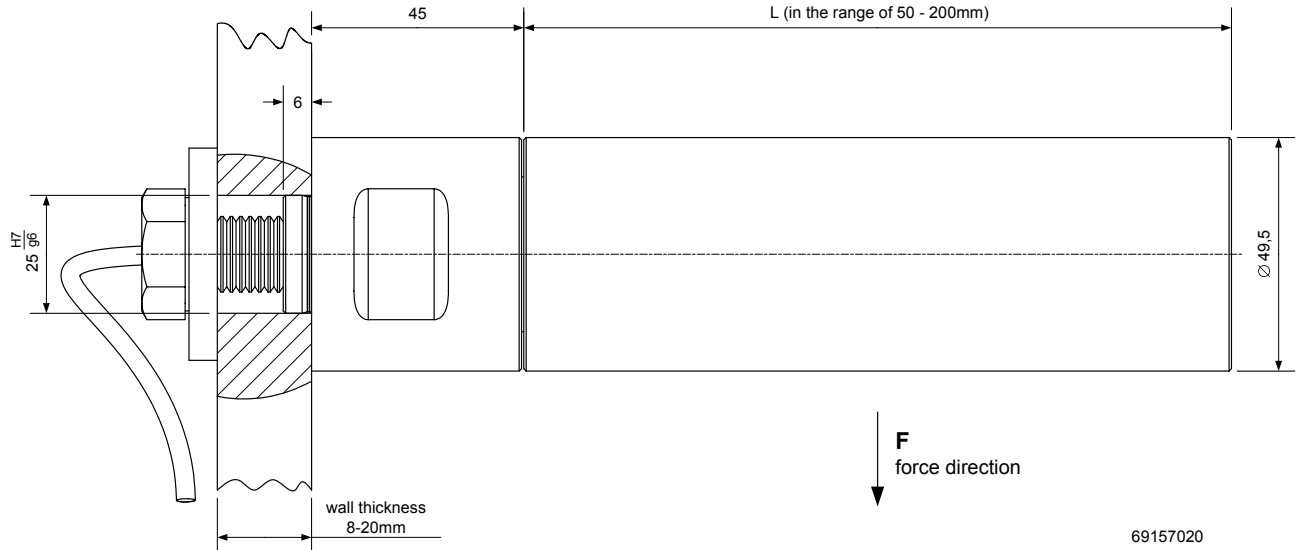


### Scale drawing



All dimensions in mm

### Rated measuring ranges

Nominal force [N]			
100	300	600	1200

The measuring range of the sensor begins at force's zero point.  
Nominal forces differing from the list are available.

### Order code

		RMA-CSW	2	- 600	- 3	- O
<b>Sensor type</b>						
<b>Construction size</b>						
<b>Nominal force [N]</b>						
<b>Length of cable [m]</b>	standard: 3 option: required length					
<b>Connection</b>	standard: O with open ends option: S with male plug					

### Scope of supply

Sensor with roll

## Options

- connection cable with male plug
- length of connection cable differing from standard
- special connection cable, e.g. oil-resistant or for use in Ex-protection areas

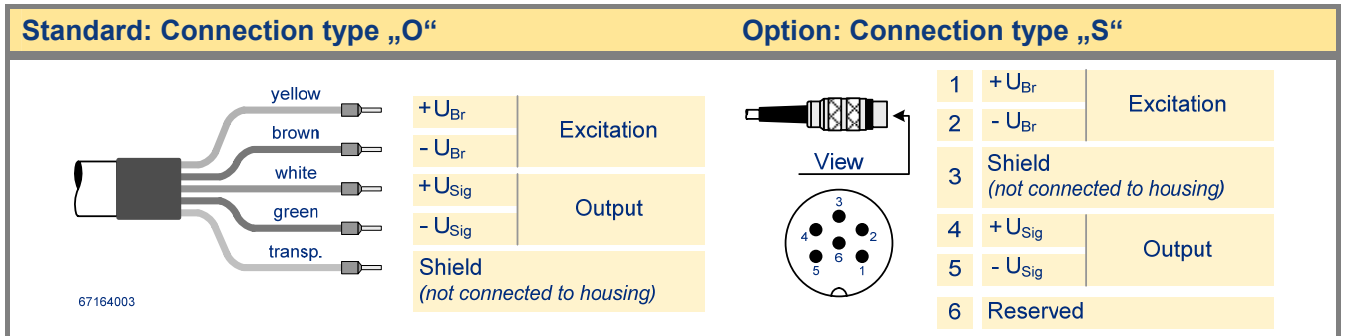
## Special designs

- nominal forces differing from standard
- sensor housing and measuring cell made out of stainless steel, for use in humid environment
- advanced temperature range

## Technical data

Rated measuring ranges (FN)	<b>N</b>	0...100; 0...300; 0...600; 0...1200
Rated output	<b>mV/V</b>	0,7
Rated output tolerance	<b>%</b>	< ±0,2
Accuracy class		0,2
Accumulated error	<b>% F<sub>N</sub></b>	< ±0,2
Excitation voltage max.	<b>V</b>	12
Reference excitation voltage	<b>V</b>	4,5
Input resistance	<b>Ω</b>	350 ±3
Output resistance	<b>Ω</b>	350 ±2
Isolation resistance	<b>GΩ</b>	> 5
Nominal temperature range	<b>°C</b>	0...50
Operational temperature range	<b>°C</b>	-10...70
Storage temperature range	<b>°C</b>	-30...90
Reference temperature	<b>°C</b>	23
Temperature influence per 10 K		
- on the zero point (TK0)	<b>% F<sub>N</sub></b>	< ±0,1
- on the calibration (TKC)	<b>% F<sub>N</sub></b>	< ±0,2
Creep after 30 minutes	<b>% F<sub>N</sub></b>	< ±0,1
Relative reversal error	<b>% F<sub>N</sub></b>	< ±0,2
Service load	<b>% F<sub>N</sub></b>	300
Ultimate load	<b>% F<sub>N</sub></b>	400
Breaking load	<b>% F<sub>N</sub></b>	> 500
Ultimate side load	<b>% F<sub>N</sub></b>	300
Dynamic load limit (DIN 50100)	<b>% F<sub>N</sub></b>	50
Axial torsional moment limit	<b>Nm</b>	35
Deflection at nominal force	<b>mm</b>	< 0,04
Natural frequency of the sensor	<b>kHz</b>	depending on roll geometry and nominal force
Weight	<b>g</b>	ca. 1800, depending on roll geometry
Connection cable		3 m long, flexible, shielded, 4 x 0,14 mm <sup>2</sup> , total-∅ 4,5 mm
Surface protection		black-finished
Protection class		IP 54

**Connections**



Technical design subject to change without prior notice. © 2009 by Honigmann

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