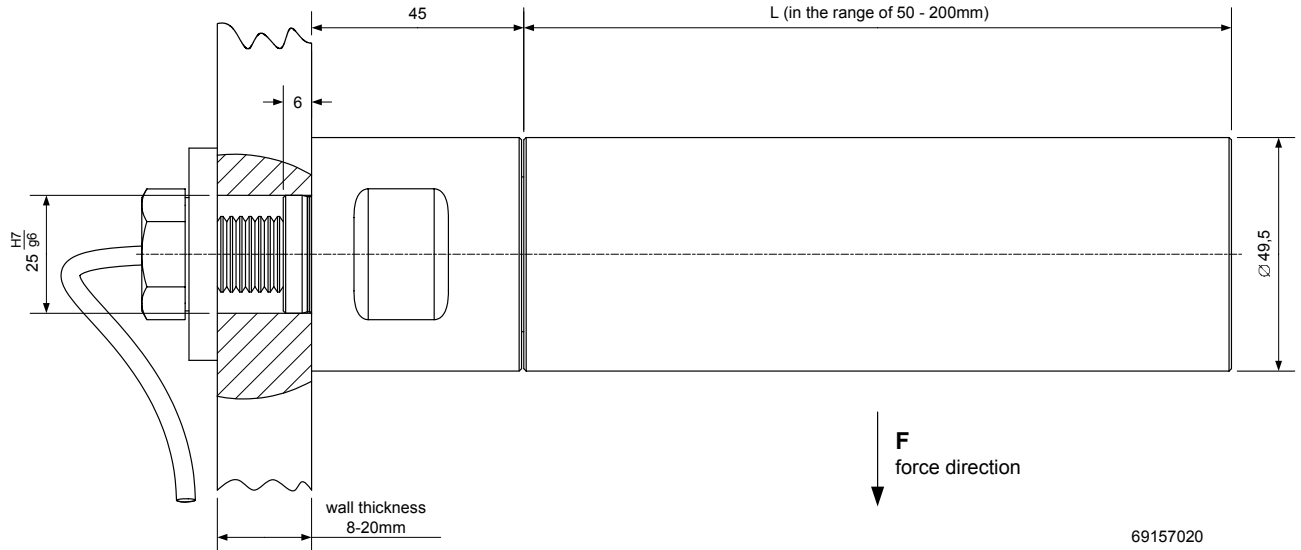


Scale drawing



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
Sensor type						
Construction size						
Nominal force [N]						
Length of cable [m]	standard: 3 option: required length					
Connection	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

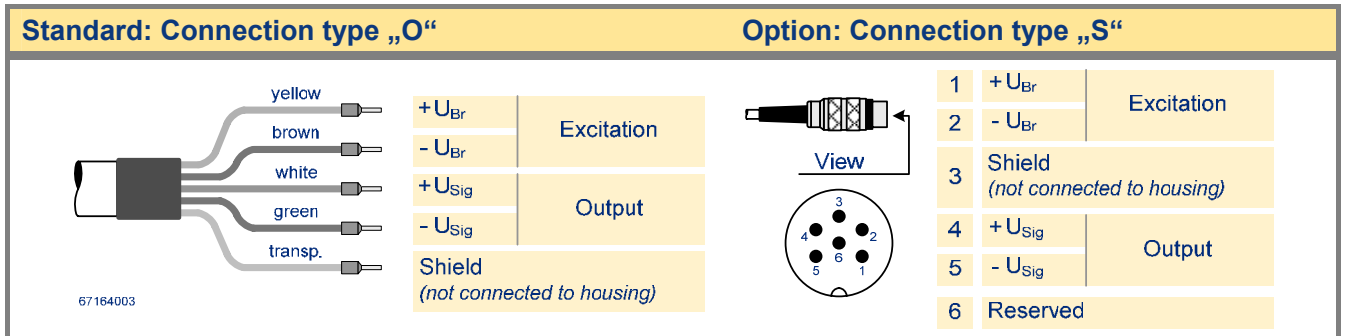
Special designs

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

Connections



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