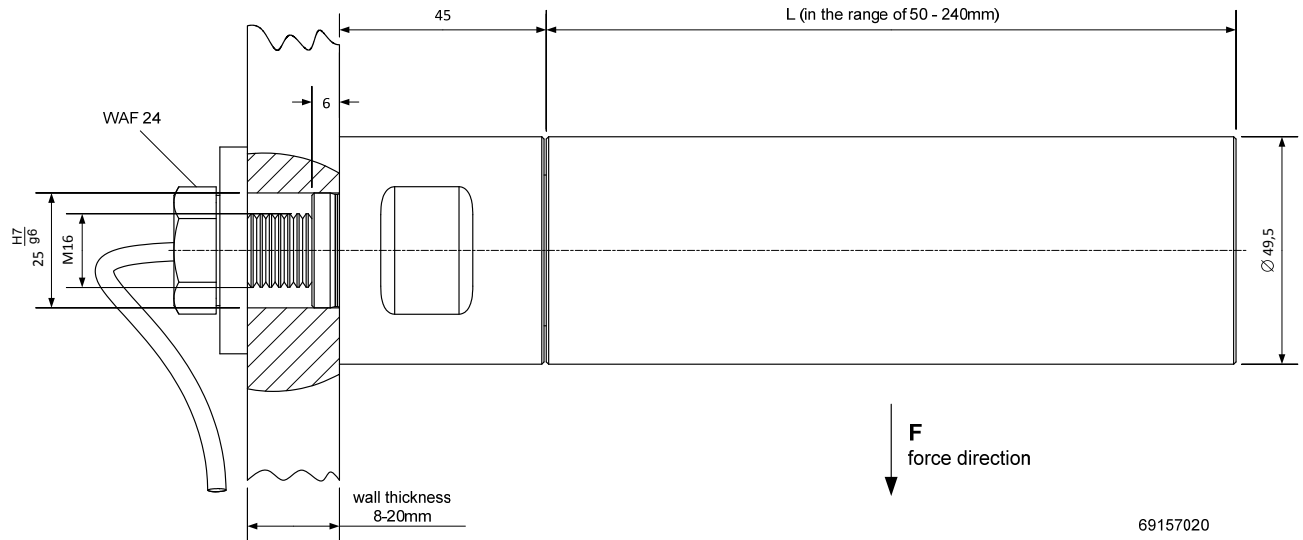
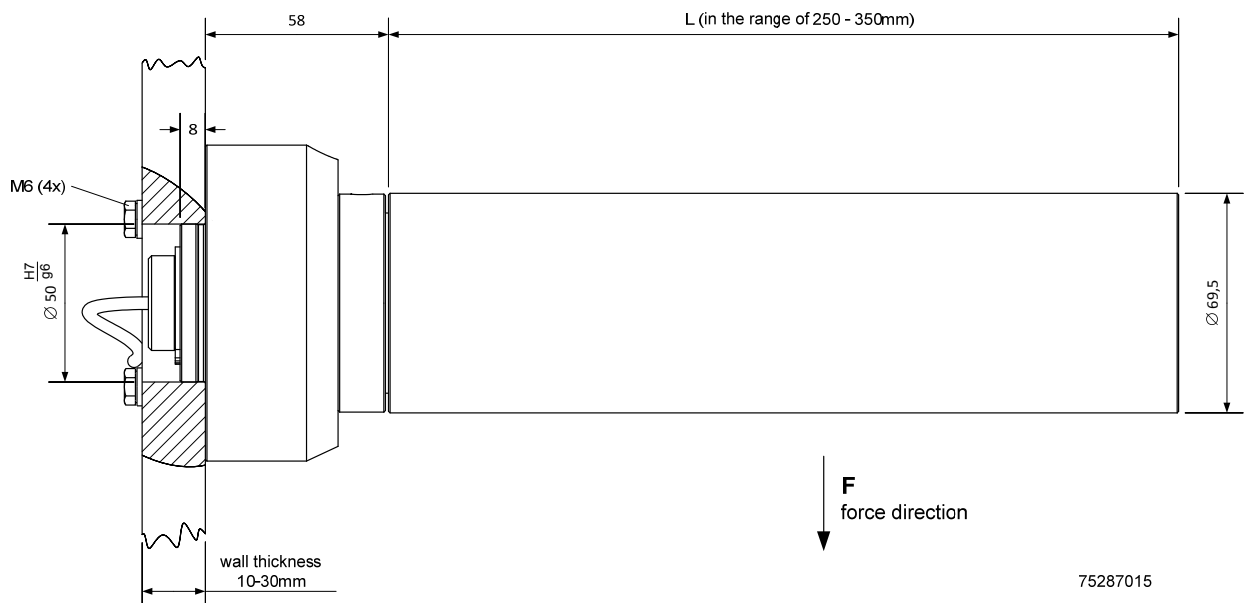


Scale drawing

Construction size 2



Construction size 3



All dimensions in mm
WAF: width across flats

Rated measuring ranges

Size	Nominal force [N]							
2	100	200	300	400	500**	600**	1000**	1200**
3	100	200	300	400	500**	600**	1000**	1200**

The measuring range of the sensor begins at force's zero point.

Nominal forces differing from the list are available.

**Special type HR (High Range)

Order code

RMA-CSW					2	- 600	- 100	- 3	- O
Sensor type									
Construction size									
Nominal force [N]									
Roll length L [mm]									
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

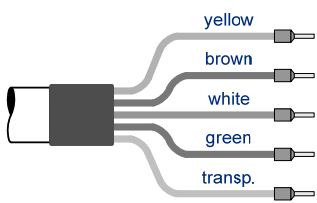
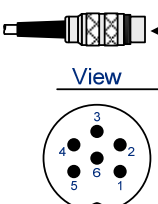
Options

- 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

Connections

Standard: Connection type „O“				Option: Connection type „S“																											
		<table><tr><td>+ U_{Br}</td><td rowspan="2">Excitation</td></tr><tr><td>- U_{Br}</td></tr><tr><td>+ U_{Sig}</td><td rowspan="2">Output</td></tr><tr><td>- U_{Sig}</td></tr><tr><td>Shield (not connected to housing)</td><td></td></tr></table>		+ U _{Br}	Excitation	- U _{Br}	+ U _{Sig}	Output	- U _{Sig}	Shield (not connected to housing)				<table><tr><td>1</td><td>+ U_{Br}</td><td rowspan="2">Excitation</td></tr><tr><td>2</td><td>- U_{Br}</td></tr><tr><td>3</td><td>Shield (not connected to housing)</td><td></td></tr><tr><td>4</td><td>+ U_{Sig}</td><td rowspan="2">Output</td></tr><tr><td>5</td><td>- U_{Sig}</td></tr><tr><td>6</td><td>Reserved</td><td></td></tr></table>		1	+ U _{Br}	Excitation	2	- U _{Br}	3	Shield (not connected to housing)		4	+ U _{Sig}	Output	5	- U _{Sig}	6	Reserved	
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4	+ U _{Sig}	Output																													
5	- U _{Sig}																														
6	Reserved																														

Technical data

Rated measuring ranges (FN)	N	0 - 100 to 0 - 1200
Rated output	mV/V	1
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	approx. 1800, depending on roll geometry
Connection cable		3 m long, flexible, shielded, 4 x 0,14 mm ² , total-Ø 4,5 mm
Surface protection		black-finished
Protection class		IP 54

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