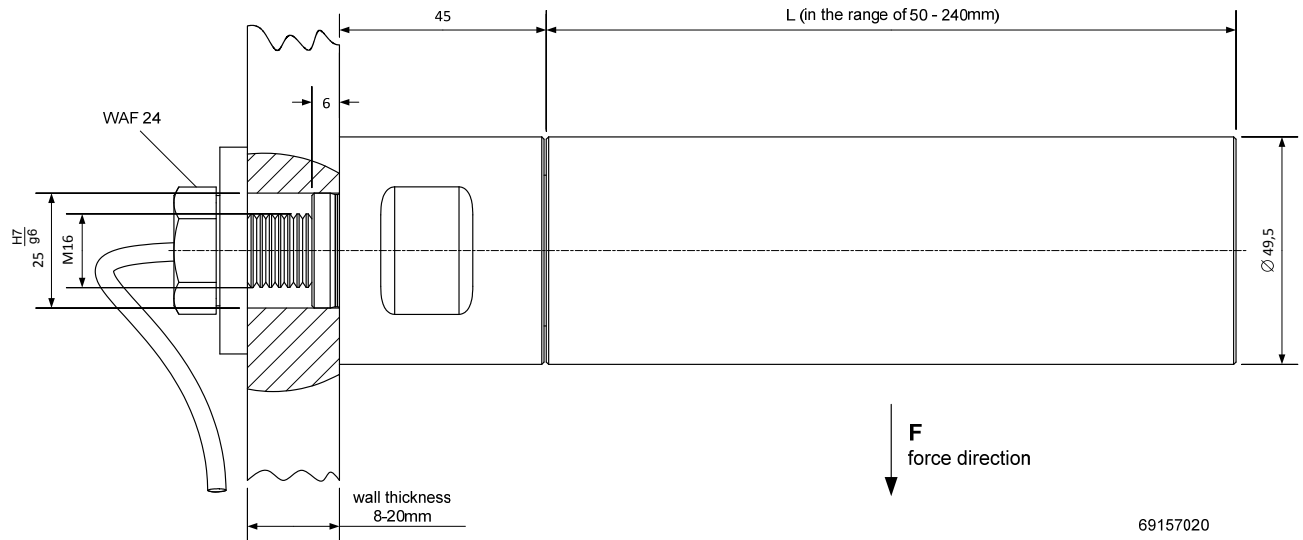
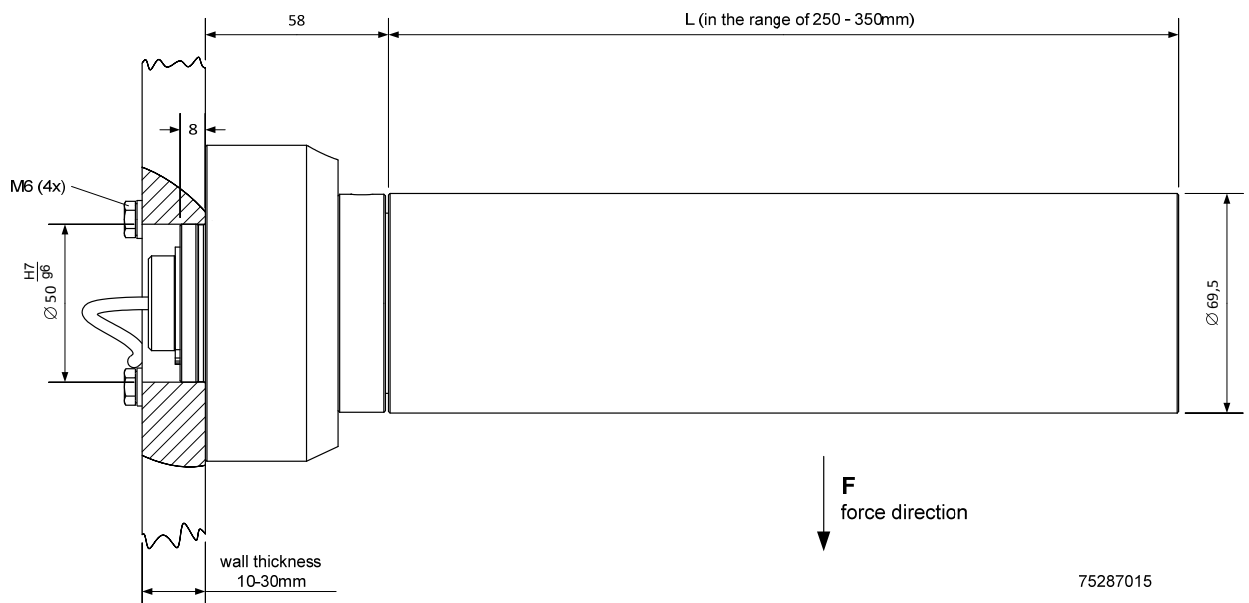


Scale drawing

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**	1500**
3	100	200	300	400	500**	600**	1000**	1200**	1500**

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

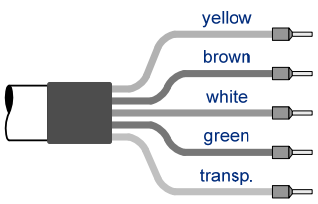
Options

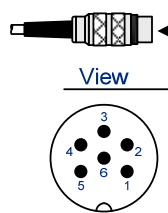
- connection cable with male plug
- length of connection cable differing from standard
- special connection cable, e.g. oil-resistant or for use in Ex-protection areas

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“		
 67164003	yellow	+U _{Br}	Excitation	1	+U _{Br}
	brown	-U _{Br}		2	-U _{Br}
	white	+U _{Sig}	Output	3	Shield (not connected to housing)
	green	-U _{Sig}		4	+U _{Sig}
	transp.	Shield (not connected to housing)		5	-U _{Sig}
				6	Reserved



Technical data

Rated measuring ranges (FN)	N	0 - 100 to 0 - 1500	
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 (depending on roll geometry)	kg	Construction size 2 approx. 1,8	Construction size 3 approx. 5
Connection cable		3 m long, flexible, shielded, 4 x 0,14 mm², total-Ø 4,5 mm	
Surface protection		black-finished	
Protection class		IP 54	

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