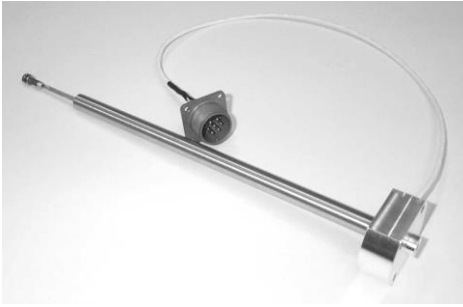


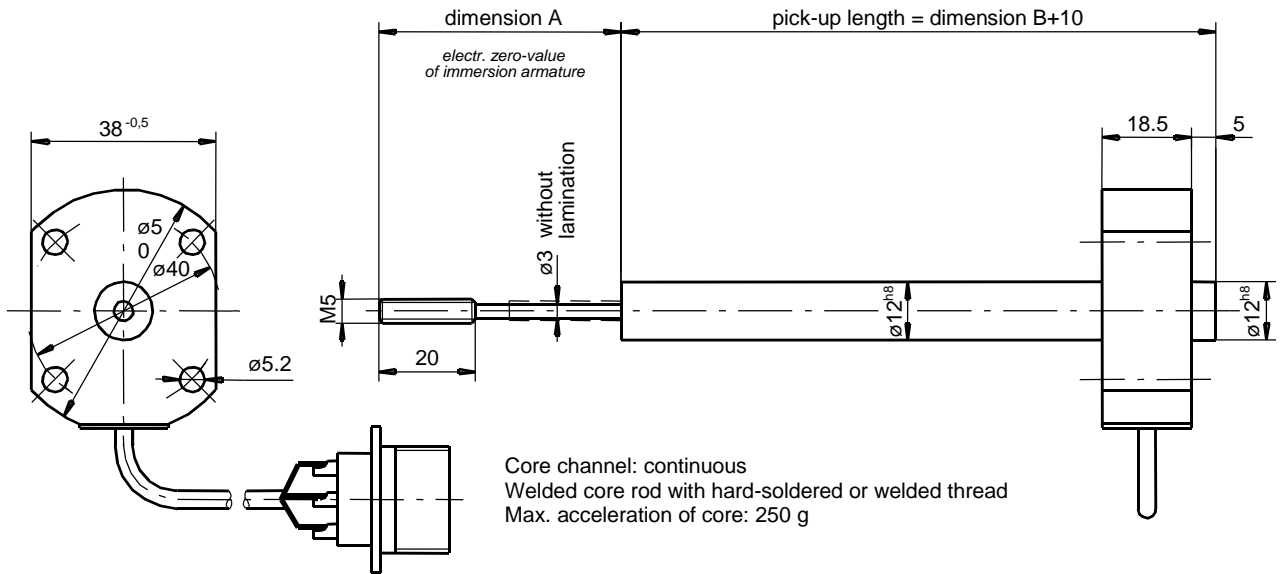
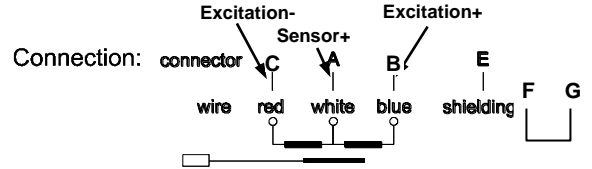
Sensor WLC

Inductive half-bridge sensor, Ø12 mm case with special flange, 80 mV/V nominal output, increased impedance, particularly suitable for testing actuator applications.



Radial cable interface

PTFE-cable 500 mm long; fitted with male connector Amphenol MS 3102A-16S-1P



Specifications

		WLC 10	WLC 20	WLC 40	WLC 50	WLC 100	WLC 160	WLC 200	WLC 250	WLC 300	WLC 400	WLC 500
Nominal stroke	mm	±5	±10	±20	±25	±50	±80	±100	±125	±150	±200	±250
Mechanical stroke 1	mm	±10	±15	±30	±30	±60	±90	±110	±135	±160	±210	±258
Mechanical stroke 2 (min)	mm	(±20)	±25	(±40)	±40	±65	±95	±115	±140	±165	±215	±261
Mechanical stroke 3	mm	±18	±28	±38	±43	±68	±98	±118	±143	±168	±218	±268
Dimension A	mm	40	50	60	65	90	120	140	165	190	240	290
Dimension B	mm	80	100	145	145	245	375	455	565	675	875	1065
Sensor weight (ca.)	g	130	140	155	155	200	250	290	340	390	470	550
Core weight (ca.)	g	8	11	14	14	20	26	30	36	42	52	62
Nominal output *) **)	mV/V	80	80	80	80	80	80	80	80	80	80	80
Sensitivity *)	mV/V/mm	16	8	4	3,2	1,6	1	0,8	0,64	0,53	0,4	0,32
Excitation voltage	V rms	< 5										
Carrier frequency	kHz	5 ... 10										
Linearity ***)		±0,4% FSO					Option: 0,2% / 0,1%					
Temperature coeff. of zero		±0,05% / 10K										
Temperature coeff. of span		±0,2% / 10K										
Operating temperature		-55°C ... +100°C										
Protection		IP 64										

*) @ 5 kHz CF **) Calibration accuracy: ±3 mV/V ***) Specify option on order
 Mech. stroke 1: range of nominal usage; performance data not specified beyond nominal stroke
 Mech. stroke 2: steady range; values in () cannot be reached due to mech. travel limitation
 Mech. stroke 3: max. mech. travel of core