

SLB700A/06VA1 SLB700A/06VA2

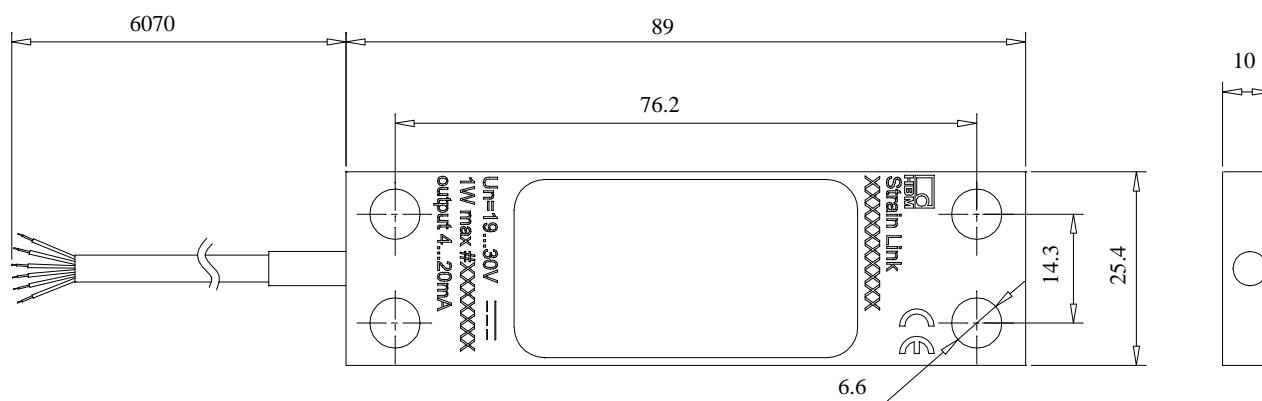
Strain transducer

Characteristic features

- For monitoring strain on statically and dynamically loaded components, e.g. on cranes, presses and roll stands
- Simple, bolted mounting
- Stainless steel
- Protected against environmental influences



Dimensions (in mm; 1 mm = 0.03937 inches)



Specifications

Type		SLB700A/06VA1	SLB700A/06VA2
Nominal (rated) measuring range	μm/m	0 ... 500	0 ... 500
Minimum operating range	μm/m	0 ... 50	0 ... 50
Zero signal (signal at zero point)		1 V	5.5 mA
End signal (signal for end point)		9 V	18.5 mA
Output signal spread		8 V	13 mA
Output signal range		-0.3 ... 11 V	3 ... 21 mA
Relative linearity error	%	0.5	
Cut-off frequency (-1 dB)	Hz	1000	
Matched to material with a thermal expansion coefficient of	1/°C	12 · 10 ⁻⁶	
Level control inputs IN1/IN2	V	active (high): >10 V; inactive (low): <4 V	
Reference excitation voltage	V	24	
Nominal (rated) range of the excitation voltage	V DC	19 ... 30	
Max. current consumption	mA	20	
Nominal (rated) temperature range	°C	-10 ... 50	
Operating temperature range	°C	-20 ... 60	
Storage temperature range	°C	-40 ... 85	
Maximum operating strain	μm/m	750	
Breaking strain	μm/m	1500	
Restoring force	N	approx. 3200	
Vibration as per DIN EN 60068-2-6	Hz	10 ... 500	
Maximal impact load as per DIN EN 60068-2-27	g	50	
Degree of protection as per EN-60529		IP65	
Tightening torque of mounting screws	Minimum	8	
	Nominal (rated) value	16	
Cable sheath		PUR	
Cable length	m	6	
Cable diameter	mm	3.5	

Pin assignment and order number

Connection	Wire color	SLB700A/06VA1	SLB700A/06VA2
Supply voltage	blue	19 ... 30 V	19 ... 30 V
Supply voltage	black	0 V	0 V
Output signal	white	0 ... 10 V	4 ... 20 mA
Output signal 0 V	gray	0 V	No function
Control input IN1 (zero setting)	red		
Control input IN2 (calibration)	green		
Cable shield	connected to housing		
Order number		1-SLB700/06VA1	1-SLB700/06VA2

Modifications reserved.

All details describe our products in general form only. They are not to be understood as express warranty and do not constitute any liability whatsoever.

托驰 (上海) 工业传感器有限公司
 上海市嘉定区华江路348号1号楼707室
 电话: +86 021 51069888
 传真: +86 021 51069009
 邮箱: zhang@yanatoo.com
 网址: www.sensor-hbm.com

measure and predict with confidence

