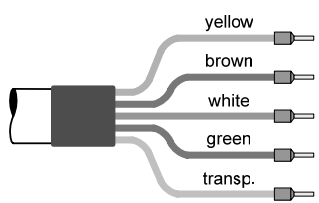
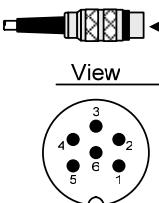


Technical Data - SK 122 FM

Type of sensor	SK 122 FM	
Rated measuring ranges available (F_N)	kN	0 to 2 / 0 to 3 / 0 to 5
Rated output	mV/V	1,5
Rated output tolerance	%	$< \pm 0,1$
Accuracy class		0,3
Excitation voltage max.	V	12
Reference excitation voltage	V	10
Input resistance	Ω	350 ± 3
Output resistance	Ω	350 ± 1
Isolation resistance	G Ω	> 5
Rated temperature range	$^{\circ}\text{C}$	-10 to +50, Option: -10 to +70
Operational temperature range	$^{\circ}\text{C}$	-10 to +70
Storage temperature range	$^{\circ}\text{C}$	-30 to +80
Reference temperature	$^{\circ}\text{C}$	+23
Temperature influence per 10°C		
- on the zero point	% F_N	$< \pm 0,1$
- on the calibration	% F_N	$< \pm 0,15$
Creep after 30 minutes	% F_N	$< \pm 0,05$
Ultimate load	% F_N	approx. 150
Ultimate side load	% F_N	100
Typical deflection at nominal force	mm	$\frac{5}{100}$
Typical resonant frequency of the sensor	kHz	> 3 , depending on nominal force
Weight	g	approx. 450
Connection cable	robust, flexible, shielded 4 x 0,25mm ² , cable diam. 5mm , 3m long, open ends with splices	
Sensor covering	stainless steel 1.4122	
System of protection	IP 67	

Connections

Standard: connection type „O“	Option: connection type „S“																													
 <table><tr><td>yellow</td><td>+ U_{Br}</td><td rowspan="2">Excitation</td></tr><tr><td>brown</td><td>- U_{Br}</td></tr><tr><td>white</td><td>+ U_{Sig}</td><td rowspan="2">Output</td></tr><tr><td>green</td><td>- U_{Sig}</td></tr><tr><td>transp.</td><td>Shield (not connected to housing)</td><td></td></tr></table>	yellow	+ U _{Br}	Excitation	brown	- U _{Br}	white	+ U _{Sig}	Output	green	- U _{Sig}	transp.	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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TDE SK122FM 07-05

