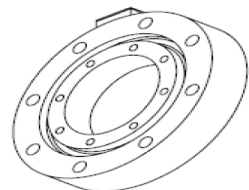


Preliminary Data Sheet

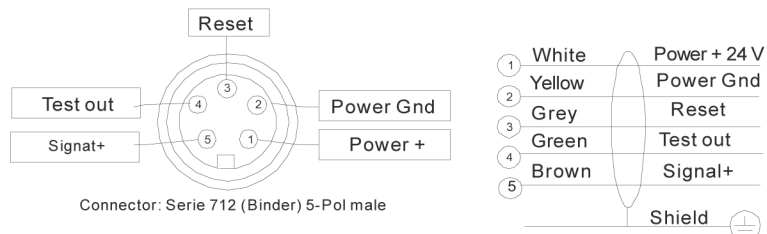


Description

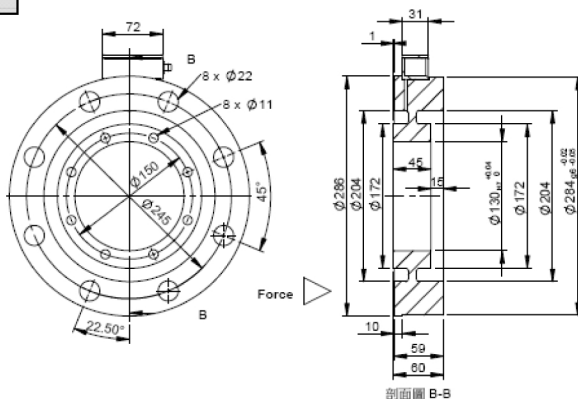
Potentiometer for Zero Adjustment



Electrical Connections



Dimensions



SML- LC integrated Amplifier with reset function Technical Data

General

Load range	kN	280	Full Scale (FS)
Allowable max. load	kN	1.5 FS	
Combined error	%FS	< 1	
Linearity	%FS	< 1	
Hysteresis	%FS	< 1	
Repeatability	%FS	< 0.2	
Temp. coefficient null	%FS/C°	< 0.03	
Temp. coefficient span	%FS/C°	< 0.03	
Load cell material		1.6582	
weight	kg		

Electrical Data

Strain gage bridge	Ω	Full bridge	350Ω
Supply voltage	VDC	13.....33	
Max. current draw	mA	>20	
Output signal	VDC	0...10	
Signal polarity; compression		positive	
Response time	msec	0.5	
Null adjustment		Potentiometer	ZERO
Gain adjustment		Potentiometer	GAIN, Factory set
Connector	Type	5-pol/m	

Environmental

Operating temperature	°C	0 ... 70
Class of protection		IP 65

Installation

- 1) Mount load cell, torque screws M 8 **34 Nm**, M10 **67 Nm**
- 2) Connect amplifier, warm up approx. 10 min.
- 3) Load and unload load cell five times to FS.
- 4) Adjust null at zero load with ZERO potentiometer until output signal is 0.00V or tare signal numerically in controller.

Technical specifications subject to change