

**1 Safety notes**

**1.1 Installation and startup**

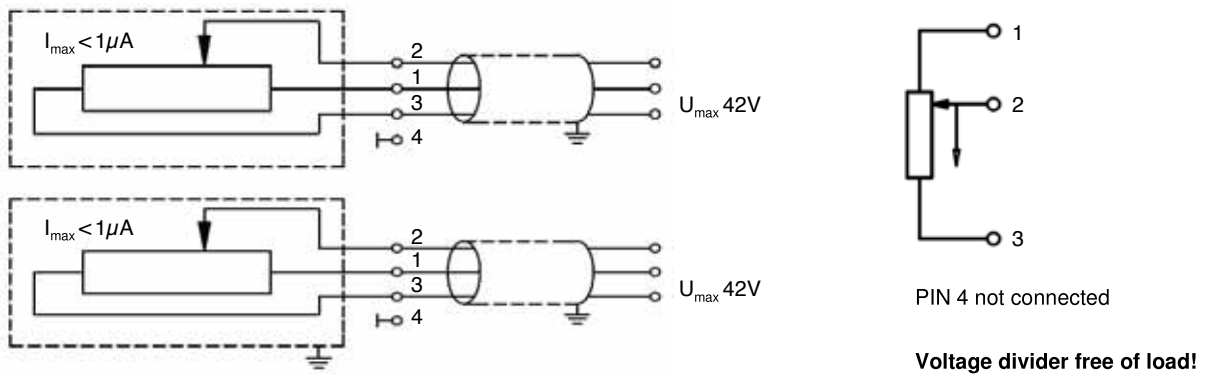
The linear transducer must be installed by qualified personnel in consideration of all relevant safety regulations. In case of unauthorized modifications, non-permitted usage or non-observance of installation instructions, the warranty and liability claims will be lost. All personal protection measures in case of a transducer defect or failure must be taken before startup. Do not lubricate the actuating rod and breathing hole!

**1.2 Electrical connections**

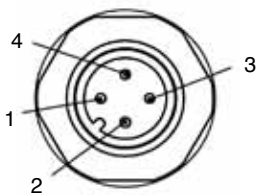
The supply voltage is to be applied only at the terminals provided. Cable shielding is to be connected to ground level. Improper connections and overvoltage can damage the components. Please always check the connections carefully before turning on the system.

**2 Installation**

**2.1 Terminal diagram**



**2.2 Pin configuration**



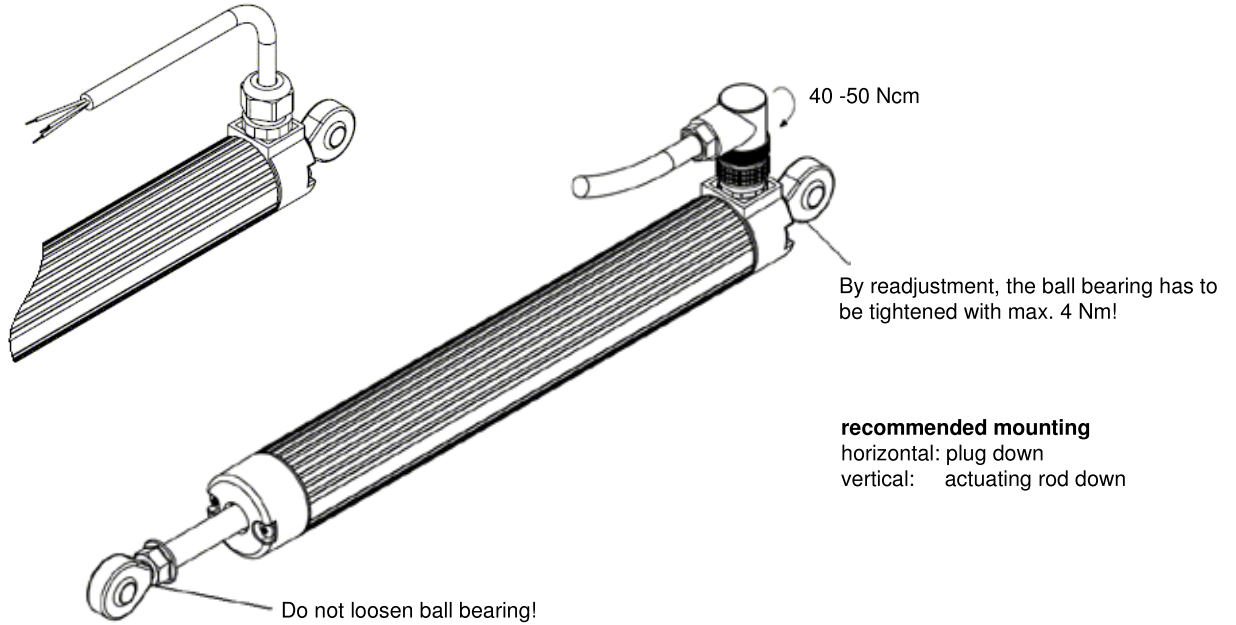
output connector Code 101	cable (optional)	falling signal	rising signal
PIN 1	brown	supply	GND
PIN 2	black	signal	signal
PIN 3	red	GND	supply
PIN 4	-	open	open

Protection class III to DIN EN 61010 T1

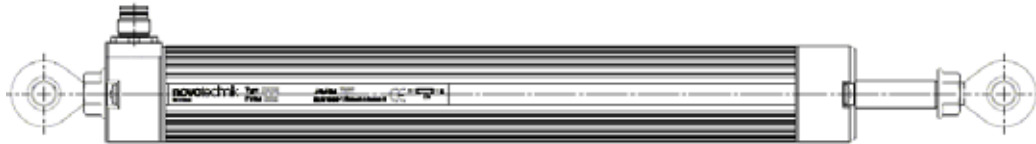
**CAUTION ! Customized cable may show different color coding.  
Extension of cable demands a sufficient shielding.  
Displayed schematic for extending rod.  
PIN 4 must not be connected as a "PE conductor" as prescribed by DIN EN 61010 T1!**

**3 Types**

optional cable output



**LWG**



**LWX 001**



**LWX 002**



shaft protected with metal tube