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

![Terminal diagram](image)

PIN 4 not connected
Voltage divider free of load!

2.2 Pin configuration

<table>
<thead>
<tr>
<th>output connector</th>
<th>cable (optional)</th>
<th>falling signal</th>
<th>rising signal</th>
</tr>
</thead>
<tbody>
<tr>
<td>PIN 1</td>
<td>brown</td>
<td>supply</td>
<td>GND</td>
</tr>
<tr>
<td>PIN 2</td>
<td>black</td>
<td>signal</td>
<td>signal</td>
</tr>
<tr>
<td>PIN 3</td>
<td>red</td>
<td>GND</td>
<td>supply</td>
</tr>
<tr>
<td>PIN 4</td>
<td>-</td>
<td>open</td>
<td>open</td>
</tr>
</tbody>
</table>

Protection class III to DIN EN 61010 T1

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

3 Types

optional cable output

By readjustment, the ball bearing has to be tightened with max. 4 Nm!

recommended mounting
horizontal: plug down
vertical: actuating rod down

Do not loosen ball bearing!

LWG

LWX 001

LWX 002

shaft protected with metal tube