Force Transducer KWZ-70-6t-4.S50



article-no: VX34021246 serial-no: key 47K



description

The tensile force transducer KWZ-70 measures the force along the longitudinal axis.

Tensile forces can be measured at lifts, cranes, gondola as well as tensions in mast, towers and platforms amongst others.

The tensile force transducer KWZ-70 is designed as a double tie. It has a 26 mm diameter borehole on both sides for easy installation with bolts or the like. Using shackles, which are available accessories, the transducer can simply be clipped into load hooks, travellers, eyes, chain links and other slinging means.

The application chamber for the strain gauge is closed with plates and sealed for protection against mechanical and chemical damage.

The strain gauge full bridge distributed on the measurement chambers measures the deformation resulting by tensile forces on the force transducer. An integrated amplifier delivers the measuring signal of 4 - 20 mA.

In the unloaded state the nominal output current can be produced by applying the calibration check signal (software calibration). This enables a check of the force transducer, amplifier and the following measuring device.

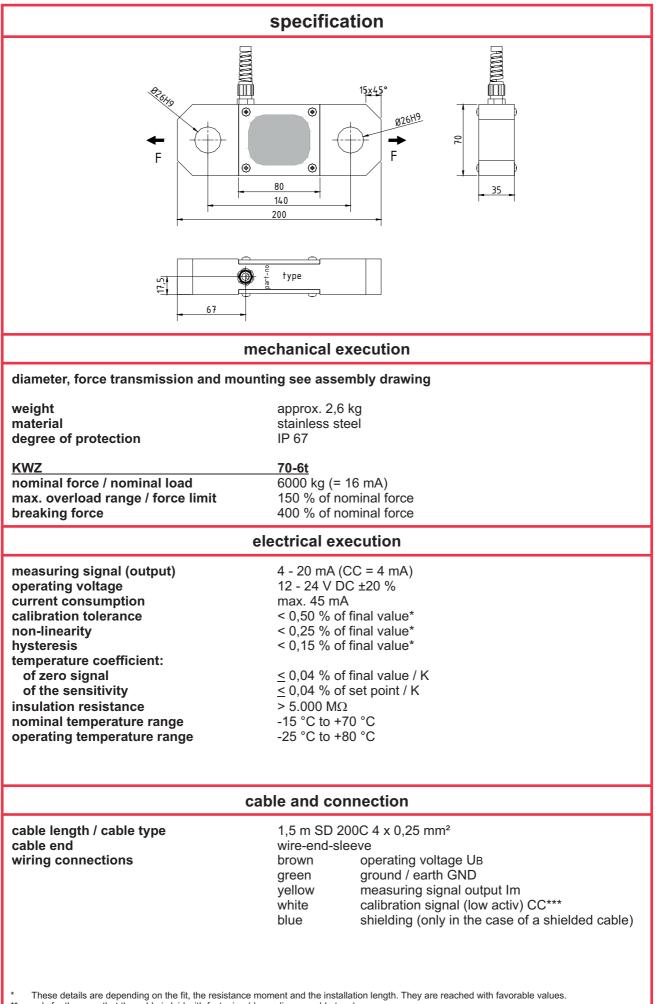
The KWZ-70 is provided for the direct coupling to a control system or a comparator switch.

The shield of the cable is not connected with the force transducer.



technical changes and errors excepted

KWZ-70VX34021246.cdr



only for the case that the cable is laid with fastening (depending on cable type) This cable should be connected at the operating voltage unless the calibration signal is used. (only applicable to executions with amplifier) ***