Magneto-strictive

LA_66K*1400 PB

Order No.:312-01615
23.5.2023 / 010201006011050299

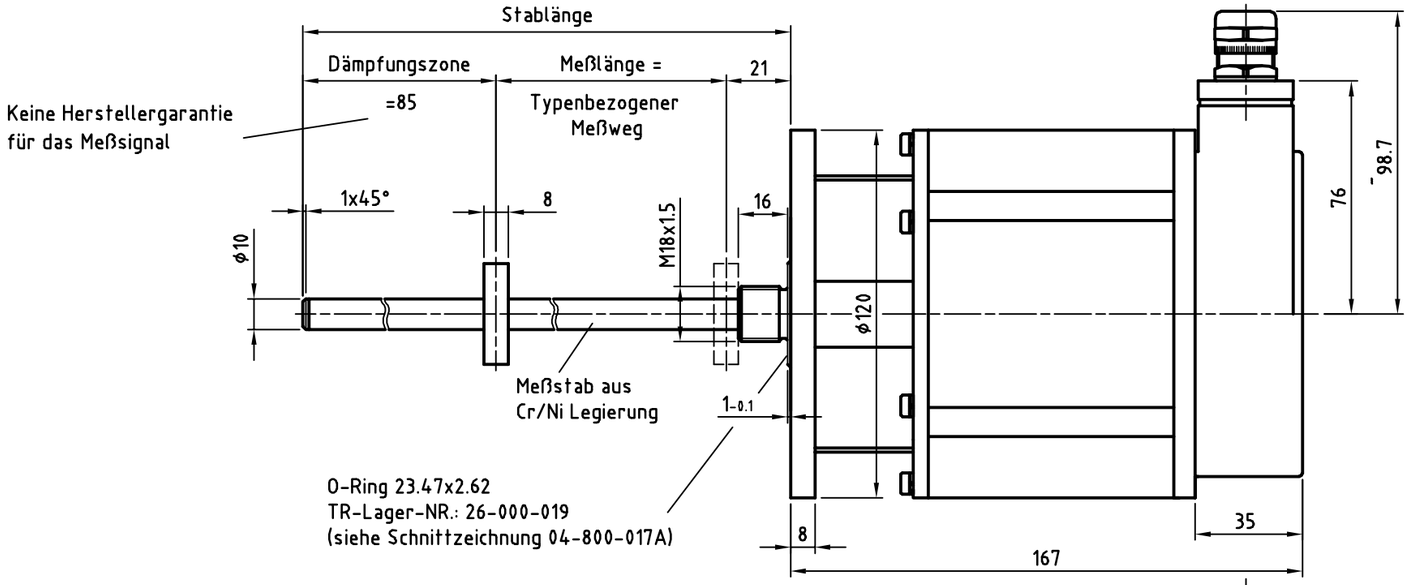
Technical data

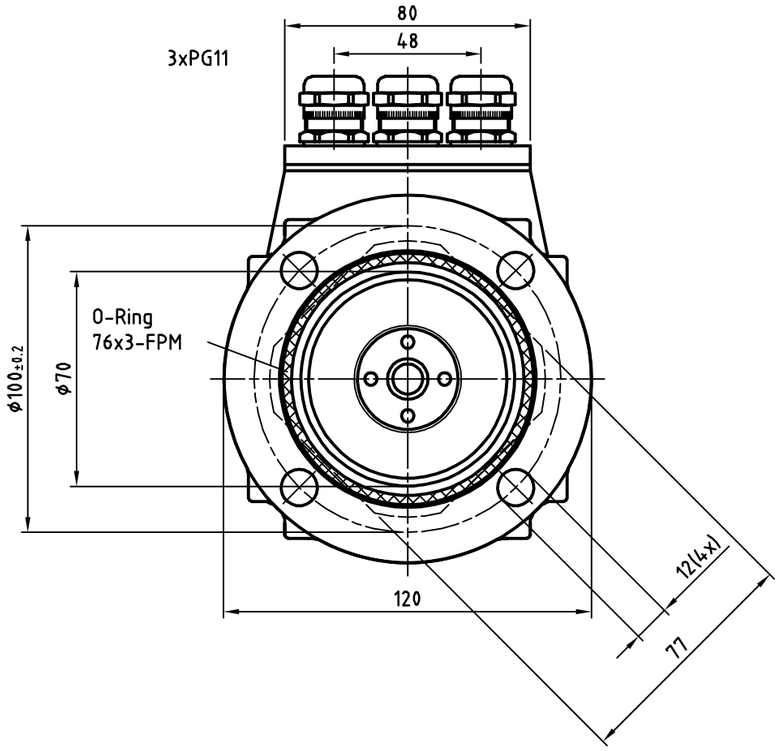
ROD LENGTH	1.506,00 MM
MEASURING LENGTH	1.400,00 MM
ROD END-MOUNTING	NO
INTERFACE	PROFIBUS DP
OUTPUT LEVEL	RS485
CODE	BINARY
RESOLUTION	0,01
SUPPLY VOLTAGE	19-27V
OPERATING TEMPERATURE	-20+70°C
FLANGETYPE	HYDRAULIC FLANGE
MAGNET TYPE	T4-M33
CONNECTOR TYPE	3XPG11
CONNECTOR-POSITION	PG RADIAL
MATING PLUG	NO
OPTION-LA	12MB,PNO-PROFIL
OPTION-LA	CLASS.2
OPTION-LA	PRESET
OPTION-LA	TR-PROTECTION HOUSING
DRAWING NO.	04-871-934
FIRMWARE NO	5858
PINOUT NO.	TR-ELA-TI-GB-0032
OPERATING INSTRUCTIONS	DOKUMENTE
AL:	N
ECCN:	N

GL	Wellenausführung glatt / shaft type cylindrical
FL	Wellenausführung mit Fläche / shaft type with flat surface
N	Wellenausführung mit Nut / shaft type with slot
Hohlw	Hohlwelle / hollow shaft
Klemme	mit Klemmring / with clamping ring
Grundw	Grundwelle / fundamental shaft
SLG	Seillängengeber / cable retractor
ZB	Zentrierbund / centre ring
Tachofl	Tachoflansch / tachometer flange
DAG	DAG-Schutzgehäuse / DAG protective housing
TK	Teilkreis / pitch circle

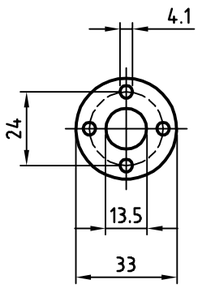
Subject to change.

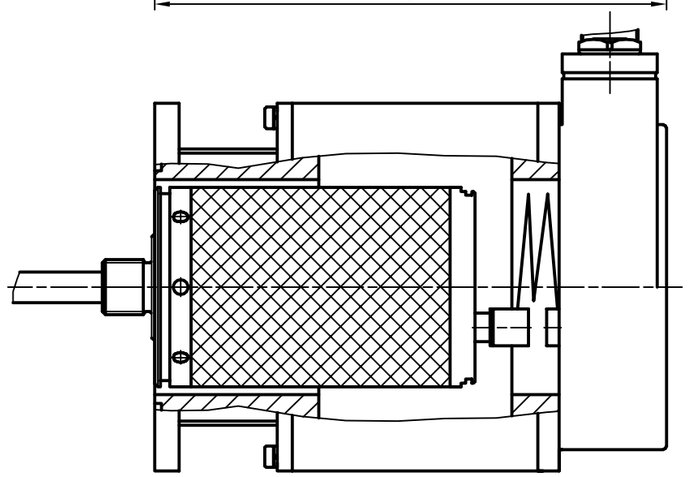
TR-Electronic GmbH
Eglishalde 6
78647 Trossingen
Tel. +49 (0) 7425 228-0
info@tr-electronic.de
www.tr-electronic.de





Magnet: T4M33
Material: Alu





Messlänge "M" in mm	Stablänge "S" in mm	TR-Electronic Artikel-NR.						
			480	586	312-01776			
			494	600	312-01513			
			524	630	312-01514			
			545	651	312-01777			
			574	680	312-01787			
190	296	312-01612	660	766	312-01778			
200	306	312-01539	700	806	312-01471			
210	316	312-01773	714	820	312-01786			
220	326	312-01774	850	956	312-02099			
230	336	312-01636	894	1000	312-01599			
250	356	312-01823	970	1076	312-01910			
289	395	312-01788	1130	1236	312-01624			
300	406	312-01613	1210	1316	312-01598			
305	411	312-01775	1219	1325	312-01639			
330	436	312-01785	1400	1506	312-01615			
350	456	312-01637	1694	1800	312-01638			
400	506	312-01474	1800	1906	312-01976			
410	516	312-01614	2014	2120	312-01977			
450	556	312-01511	2905	3011	312-01512			

ARTIKEL-BEZ.:	LA-66/K
MESSLÄNGE	siehe Tabelle
STABLÄNGE	siehe Tabelle
AUFLÖSUNG	0.01mm
SCHNITTSTELLE	PROFIBUS DP
CODE	BINAER
AUSGANGSPEGEL	RS485
VERSORGUNGSSPANNUNG	19...27VDC
FLANSCHART	Stahlflansch
MAGNET	T4M33
STECKERART	SCHRAUBKLEMMEN
	3xPG11 VERSCHRAUBUNGEN RADIAL
OPTIONEN	HYDRAULISCH ABGEPRESST, PRESET, 12MB,
	PNO-PROFIL CLASS.2, TR-SCHUTZGEHÄUSE

TR Electronic GmbH
Eglishalde 6
78647 Trossingen
Telefon 07425/228-0

Zust.	Änderung	Datum	Name
15	312-02099 ergänzt	18.08.04	Habetler
14	Rohrlänge	21.07.03	Habetler
13	312-01976/77 ergänzt	24.06.03	Habetler
12	312-01910 ergänzt	13.11.02	Habetler
11	312-01823 ergänzt	12.02.02	Habetler
10	4Artikel-NR. ergänzt	29.10.01	Habetler
9	6Artikel-NR. ergänzt	23.10.01	Habetler
8	4Artikel-NR. ergänzt	11.10.00	Habetler

	Datum	Name
Erstellt	16.12.99	Flaig
Bearb.		
Gepr.		
Norm		

Steckerbelegung:
TR-ELA-TI-D-0032
EDV-NR.:

Maßstab 1:2 DIN A3 Projekt-Nr.:

Artikel-NR.:
Bestell-NR.: siehe Tabelle

LA-66/K, Ausf.: PROFIBUS-DP
Gewinde M18x1.5

Zeichnungs-NR.: 04-871-934

Blatt 1
Bl

Connector pin assignment LA-66 Profibus Linear-Encoder in protective case with PNO-Profile Class 2

General note:

If the encoder is the last station in the profibus line, the DIP switches *DIP1* and *DIP2* for the profibus terminator (switching-on of the terminal resistance) must be switched on. Otherwise they must be switched off.

The profibus also works when the encoder is removed. Is the encoder the last station in the profibus line, the reference potential of the terminator resistances is missing!

In order to enable a separate wiring of incoming and outgoing signals the profibus terminals and the terminals for the supply voltage have two connection possibilities.

TR-Electronic recommends for the operation to use only bus cables certified by the PNO.

With the BCD address switches 10^1 and 10^0 the station address for the profibus is set from 3 to 99.

Explanation of terms:

US:	Supply voltage, 19-27 V DC
US-input:	1-level > +8V, 0-level < +2V, up to ±35V, 5 kOhm

X1 - screw clamp 2-pin

Pin 1 Profibus DataB
Pin 2 Profibus DataA

X2 - screw clamp 2-pin

Pin 1 Do not connect !
Pin 2 Do not connect !

X3 - screw clamp 2-pin (option)

Pin 1 Do not connect !
Pin 2 Do not connect !

X4 - screw clamp 2-pin

Pin 1 US, supply voltage
Pin 2 GND, supply voltage 0 V

X5 - screw clamp 2-pin

Pin 1 Profibus DataB
Pin 2 Profibus DataA

X6 - screw clamp 2-pin

Pin 1 Do not connect !
Pin 2 US-input for Preset 1

X7 - screw clamp 2-pin (option)

Pin 1 Do not connect !
Pin 2 Do not connect !

X8 - screw clamp 2-pin

Pin 1 US, supply voltage
Pin 2 GND, supply voltage 0 V