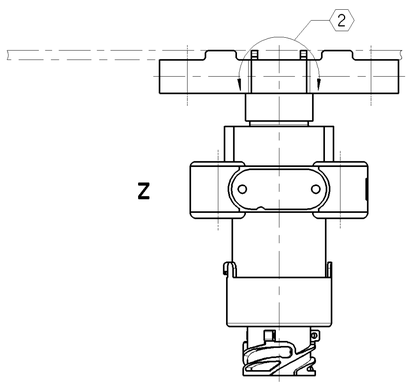
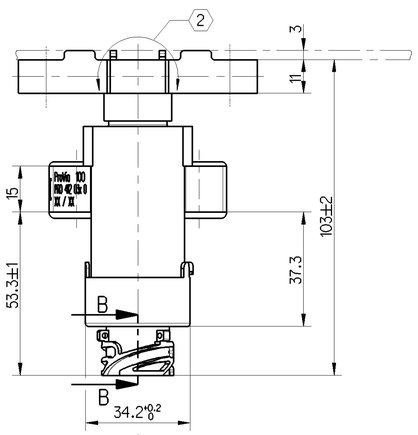
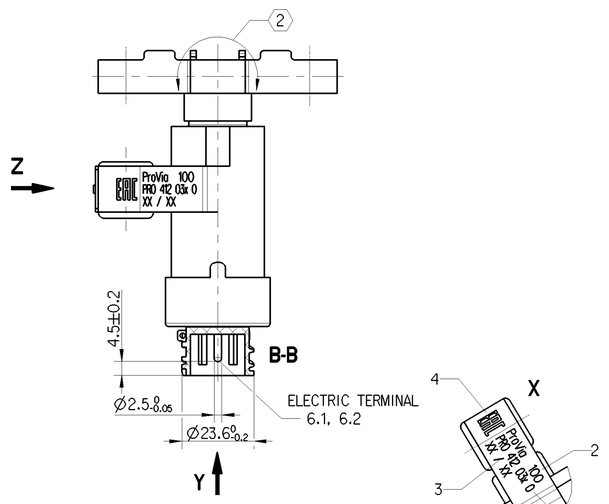
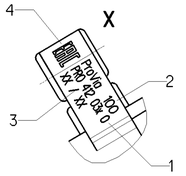








MEASURING PRINCIPLE:	INDUCTIVE
SUPPLY VOLTAGE:	PULSE 8 ... 16 V DC
CURRENT CONSUMPTION:	MAX. 90 mA
THERMAL RANGE OF APPLICATION UNDER NORMAL AMBIENT CONDITIONS:	-40°C ... +80°C
SHORT TIME HEAT RESISTANCE:	110°C FOR MAX. 1 h
AMBIENT MEDIUM:	AIR (WATER-, OIL AND DUST CONTAINING)

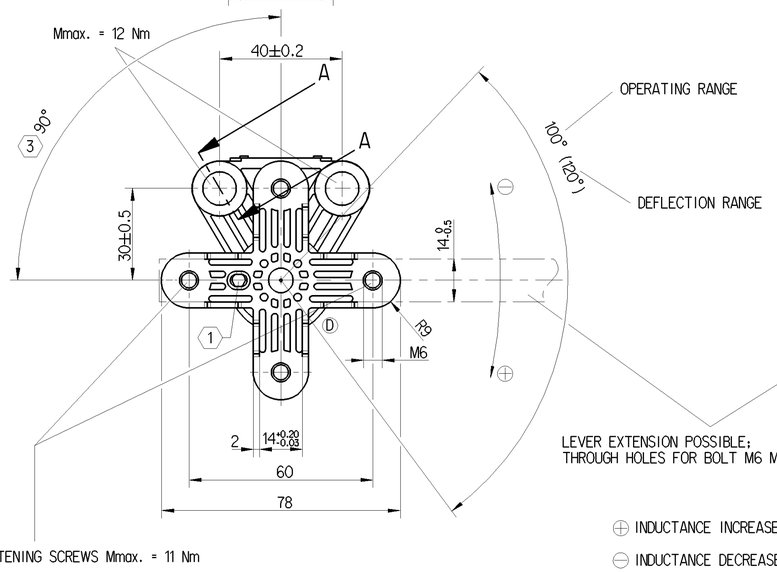
DISTANCE SENSOR WITHOUT TEMPERATURE COMPENSATION

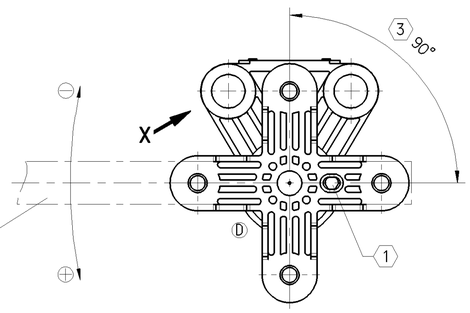
CABLE BETWEEN SENSOR AND ELECTRONIC CONTROL UNIT (ECU)
LENGTH: MAX. 15 m WIRE CROSS SECTION: ≥1 mm²

TYPE OF PROTECTION ACC. TO ISO 20653
(COMPLETE DEVICE WITH INSTALLED PLUG): IP 6K9K

DISTANCE SENSOR CAN ONLY BE OPERATED IN CONNECTION WITH AN APPROPRIATE ADAPTION CIRCUIT

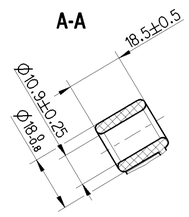
1) PROVIA DEVICE NUMBER
2) MANUFACTURER NUMBER
3) WEEK OF MANUFACTURE / YEAR OF MANUFACTURE
4) EAC MARK
1)-4) LASER MARKING





LEVER EXTENSION POSSIBLE;
THROUGH HOLES FOR BOLT M6 MAX. Ø6.9 mm

⊕ INDUCTANCE INCREASES
⊖ INDUCTANCE DECREASES



2 FASTENING SCREWS Mmax. = 11 Nm

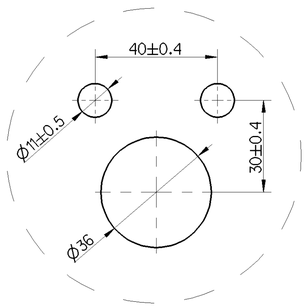
1) FIXING OF THE SENSOR IN CENTRAL POSITION BY MEANS OF MANDREL Ø4h8

2) Mmax.= 2 Nm (FOR 0.25% OF THE VIBRATIONS Mmax.= 8 Nm)

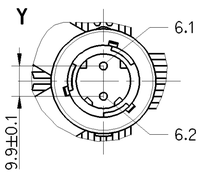
3) RELATIVE POSITION BETWEEN SENSOR FIXING AND FLANGE

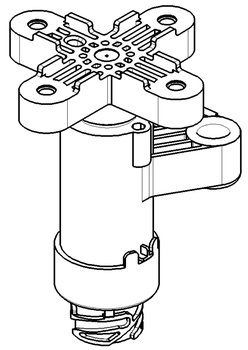
4) OPERATING OF SENSOR IS POSSIBLE FROM FOUR SIDES, FOR THIS PURPOSE TURN LEVER

INSTALLATION SPACE



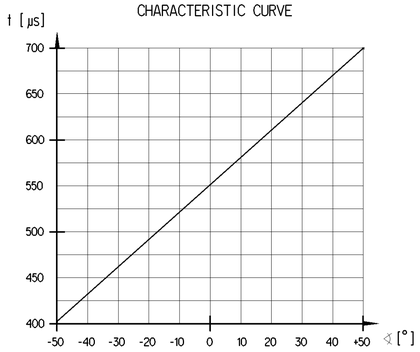
PLUG-IN CONNECTION ISO 15170 - A1-2.1-Sn/K2



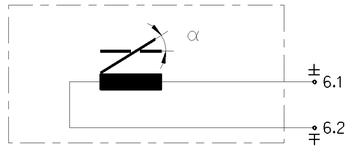


NOMINAL CHARACTERISTIC CURVE FOR: T = 20°C

CHARACTERISTIC CURVE



6.1
6.2 ELECTRIC TERMINAL



General Specification: JED-334-1 , Size ISO 14405 LP							
Further Technical Data: PRO412030O							
Doc. Code: 035				Sheet: 1 To 6			
General Tolerances JED-261							
		Range of Nominal Dimensions (± mm)					
Class 1)		≤ 50	> 50 ≤ 180	> 180 ≤ 400	> 400	◁	
Fine		0.5	1.0	1.5	2.0		
Medium	X	1.0	2.0	3.0	4.0		±3°
Coarse		2.0	3.5	5.0	6.5		
Tapped Holes acc. -							

1) Tolerance Class Applied Crossmarked

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Expert Kolkowski

ProVia

DISTANCE SENSOR

Mass	Scale	Material No.	Date of first issue: 2018-02-22		
0.2 KG	1:1	PRO 412 031 0	Doc.Code: 005	Language: EN	Sheet: 1/1
Size: A 1	CAD System: CREO	ECN-No.: 179377	Revision: 2 x D	Techn. Resp.: 6660_AM	Replacement for

100mm

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