

Product Specification



Product: UNI13-Q60-232-MOLEX - shielded

Costumer: FOSS Analytical A/S

Product Code: 25.26.602.03 (Micro-Sensys)

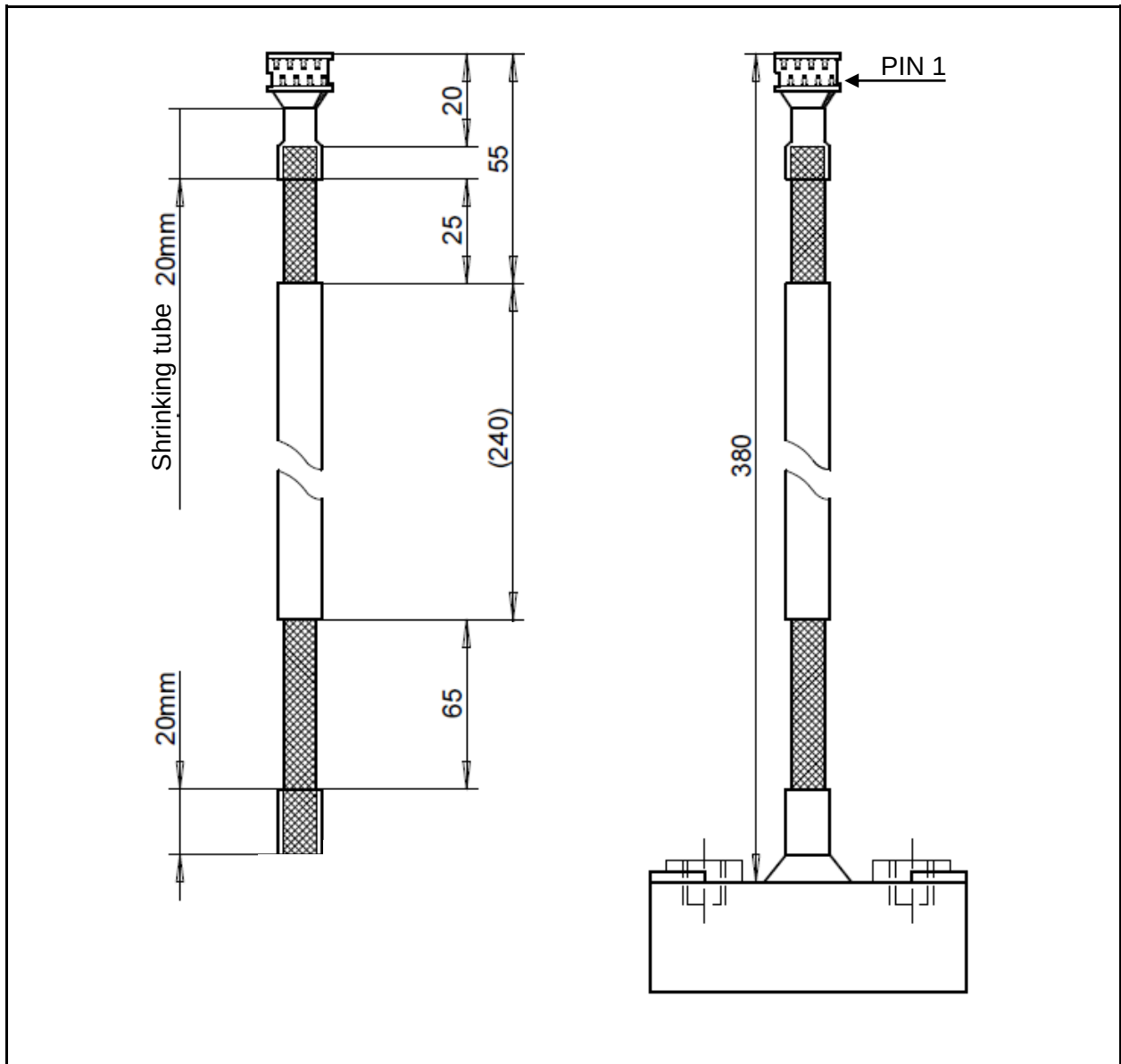
Material number: 60093586 (FOSS Analytical)

Revision: 0



Mechanical Data:

Module construction:	plastic case with aluminium tape
Module dimensions:	55mm x 29mm x 11mm
Cable construction:	ribbon cable with 8 conductors, pitch 1.27 mm ribbon cable twisted with tinned copper braid and shrinking tube
Cable dimensions:	length: 380 ±10 mm
Cable shielding	see drawing
Working temperature range:	0 ... +45 °C
Storage temperature range:	-10 ... +70°C



Electrical Interface:

Supply voltage: 5.0 V $\pm$ 5%, ripple <50mV

Current consumption: typ. 15 mA (idle mode, without RF field)
typ. 100 mA (active mode, with RF field)

Connector: Molex 90327-0308

Data interface: RS232TTL

PIN configuration:

PIN	PIN Name	I/O	Description
1	VCC	power	Supply voltage
2	nc	-	-
3	GND	ground	Ground
4	DSR	O	Data Set Ready
5	TXD	I	Transmit Data
6	DTR	I	Data Terminal Ready
7	RXD	O	Receive Data
8	GND	ground	Ground

RFID Interface:

Carrier frequency: 13.56 MHz

RFID standard: ISO15693, ISO14443B customized

RFID antenna: P13, internal

Operating distance: 0 ... 20 mm (D14-TAG 16k-B)