

ROTECH

SYSTEMKOMPONENTEN

EG Declaration of conformity

in accordance with the Directive 94/9/EG (Directive-ATEX)

Manufacturer: Rotech Antriebselemente GmbH

Description of the equipment: sensor boxes type TCR

Declaration: The sensor boxes type TCR are to be considered as signal devices and their enclosure classification is IP 65. Therefore all internal parts are protected from the medium and the sensor boxes adopt the ignition protection method of the respective sensor as the box does not represent an independent ignition source.

The sensors used supplied by Pepperl + Fuchs are certified for: **II 2 G EEx ia IIC T6**. The sensor boxes are licensed for connection with intrinsically safe, certified circuits only.

Standards: For the evaluation of the sensor boxes there have been used following standards:

EN 50014:02/99 : Electrical apparatus for potentially explosive atmospheres – General requirements
EN 50020:08/03: Electrical apparatus for potentially explosive atmospheres – Intrinsic safety „i“

Remarks: The permissible ambient temperature range is $-25^{\circ}\text{C} \dots +70^{\circ}\text{C}$ at a nominal tension of 8 V DC and power input of 3 mA. For circuits with other characteristic values the maximum permissible ambient temperature has to be taken from the EC-Type-Examination Certificate of the sensor.

Only certified, intrinsically safe solenoid valves are permitted to be connected with these equipments. The maximum values of the connected valve have to be respected.

The housing material used has a surface conductivity of less than 1 G Ω . Thus, by proper use, static charges can be avoided.

03.12.2004

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Datum



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director



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technical manager

Anhang / schedule

Sensor	Sensorbox
P + F SJ3,5-N	TPF3NVVAZ, TPF3NVVFAZ, TPF3NVVSAZ TPF3NVVAZM12, TPF3NVVFAZM12, TPF3NVVSAZM12 TPF3NVVAZK, TPF3NVVFAZK, TPF3NVVSAZK TPF3NVVAMZ, TPF3NVVFAMZ, TPF3NVVSAMZ TPF3NVVAMZ180, TPF3NVVFAMZ,180 TPF3NVVSAMZ180 TPF3NVVAAZZ, TPF3NVVFAZZ, TPF3NVVSAZZ TPF3NAVAZ, TPF3NAVAMZ, TPF3NAVAZZ
P + F SJ3,5-N-LED	TPF3NLVVAZ, TPF3NLVVFAZ, TPF3NLVSAZ
P + F SJ3,5-SN	TPF3SVVAZ, TPF3SVVFAZ, TPF3SVVSAZ
P + F SJ3,5-S1N	TPF3S1VVAZ, TPF3S1VVFAZ, TPF3S1VSAZ
P + F SC3,5-N0	TPF3N0VVAZ, TPF3N0VVFAZ, TPF3N0VSAZ
P + F SC3,5-G-N0	TPF3NGVVAZ, TPF3NGVVFAZ, TPF3NGVSAZ
P + F SJ5-N	TPF5NVVAZ, TPF5NVVFAZ, TPF5NVVSAZ
P + F NCN3-F25F-N4	TPFF25NVVAZ, TPFF25NVVFAZ, TPFF25NVVSAZ TPFF25NVVAZM12, TPFF25NVVFAZM12, TPFF25NVVSAZM12 TPFF25NWVVAZ, TPFF25NWVVFAZ, TPFF25NWVSAZ TPFF25NWVVAZM12, TPFF25NWVVFAZM12, TPFF25NWVSAZM12
P + F NCB2-12GM35-N0	TPFC212MNVVAZ, TPFC212MNVVFAZ, TPFC212MNVVSAZ, TPFC212MNVVZ, TPFC212MNVVFZ, TPFC212MNVVSZ, TPFC212MNVVA, TPFC212MNVVFA, TPFC212MNVVSA,
P + F NJ2-V3-N	TPF2V3VVAZ, TPF2V3VVFAZ, TPF2V3VVSAZ, TPF2V3VVAMZ, TPF2V3VVFAMZ, TPF2V3VVSAMZ,
P + F NJ2-11-N-G	TPF211VVAZ, TPF211VVFAZ, TPF211VSAZ TPF211VVAZM12, TPF211VVFAZM12, TPF211VSAZM12
P + F NJ2-11-N-G	TPF211SVVAZ, TPF211SVVFAZ, TPF211SVVSAZ
P + F NJ2-12GK-N	TPF212KNVVAZ, TPF212KNVVFAZ, TPF212KNVSAZ
P + F NJ2-12GK-SN	TPF212KSVVAZ, TPF212KSVVFAZ, TPF212KSVSAZ
P + F NJ4-12GM-N	TPF412MNVVAZ, TPF412MNVVFAZ, TPF412MNVVSAZ
P + F NJ5-18GM-N	TPF518MNVVAZ, TPF518MNVVFAZ, TPF518MNVVSAZ
P + F NJ5-18GK-N	TPF518KVVAZ, TPF518KVVFAZ, TPF518KVSAZ
P + F NJ8-18GM-N	TPF818MNVVAZ, TPF818MNVVFAZ, TPF818MNVVSAZ