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Technical data Power supply Nominal voltage Ripple Nominal current	Connections d14 (L+), z14 (L-) DC 20.4 V 27.6 V ≤10 % max. 150 mA (with J = 20 mA at current output)
Input (intrinsically safe) Nominal data Open circuit voltage / short circuit current Switch point / switch hysteresis Input pulse length / pulse interval	Connections d2+, d4- per DIN 19 234 or NAMUR about DC 8 V / about 8 mA 1.2 mA 2.1 mA / about 0.2 mA \geq 1 ms / \geq 1 ms
Certificate of Conformity Peak Values Max. voltage U _o Max. current I _o Max. power P _o Allowable circuit values Ignition protection method, category Explosion group Max. external capacitance Max. external inductance	PTB Nr. Ex-81/2065X other certifications see www.pepperl-fuchs.com 13.2 V 18.8 mA 62 mW [EEx ia] [EEx ib] IIB / IIC 1.31 μF / 0.415 μF 5 mH / 2 mH 320 mH / 85 mH
Input (not intrinsically safe) Signal level Logic-1 Signal level Logic-0 Input pulse length / pulse interval	Logic input Connections d18 DC 16 V 30 V DC 0 V 5 V or B-circuit input ≥ 0.1 ms / ≥ 0.1 ms Connections d18
Outputs (not intrinsically safe) Output I : Nominal voltage Nominal current Voltage drop Output II : Current range Load Open circuit voltage Output PB : Test jack Current range Load Open circuit voltage	Transistor output, passiveConnections d32+, z32- \leq DC 30 V100 mA, short circuit protected, pulsating 25 V with 100 mA (leakage current J \leq 10 µA) Current outputConnections d28+, z28- 0 mA / 4 mA 20 mA 650 Ohm about 30 V Current output0 mA / 4 mA 20 mA \leq 250 Ohm about 7.5 V
Transfer characteristics Switch frequency Operating range Duty ratio Combined faults	≤5 kHz 0.001 Hz ≤f _n ≤999 Hz 1 : 1 ≤ 1%
Galvanic isolation Input / Output Input / Power supply Output / Power supply	available available available
Conformity to standard Input Climatic conditions	per DIN 19234 (NAMUR) per DIN IEC 721
Ambient temperature Connection method Coding Weight	0 °C +70 °C (273 K 343 K) 32-pin plug connector per DIN 41 612, Series 2, Type F; z and d provided a3 / c13 about 200 g

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