Features

- · 1-channel signal conditioner
- · Universal usage at different power supplies
- Dry contact or NAMUR inputs
- Input frequency 1 mHz ... 12 kHz
- · 2 relay contact outputs
- · Start-up override
- · Configurable by keypad
- Line fault detection (LFD)
- Up to SIL2 acc. to IEC 61508/IEC 61511

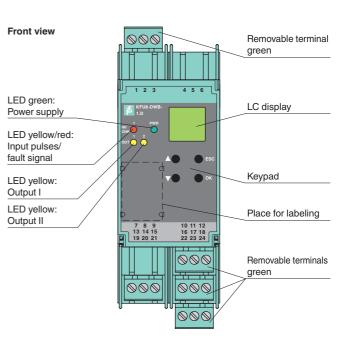
Function

This signal conditioner monitors an overspeed or underspeed condition of a digital signal (NAMUR sensor/mechanical contact) by comparing the input frequency to the user programmed reference frequency.

An overspeed or underspeed condition is signaled via the relay outputs. Line fault detection of the field circuit is indicated by a red LED and relay. The startup override feature sets relay outputs to default conditions programmed by the user for up to 1,000 seconds.

The unit is easily programmed by the use of a keypad located on the front of the unit.

For additional information, refer to the manual and www.pepperl-fuchs.com.

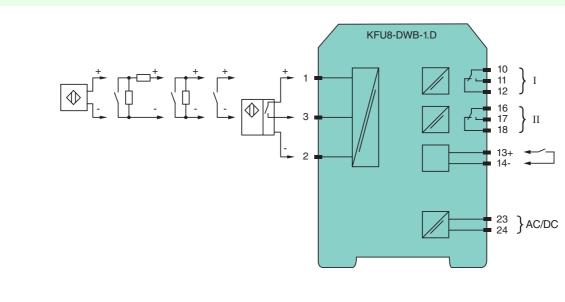


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Assembly

SIL 2

Connection



Refer to "General Notes Relating to Pepperl+Fuchs Product Information" USA: +1 330 486 0002 pa-info@us.pepperl-fuchs.com

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| Constant Dights Input Signal type Dights Input Signal type Emminals 23, 24 Shands U, 20 | General specifications | |
|---|--------------------------------------|---|
| SuppNumber of the second s | • | Digital Input |
| Connectionterminals 23, 24Bated valageU, | | |
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| Rated commitip on the main of the main o | | |
| Power dissipation/power consumption 1.3 W ; 2 VA / 1.8 W ; 2 VA Imput Final Construction Power dissipation/power construction within some vice sensor: terminals 1 + .4 - stint or within sensor: terminals 1 + .4 - sti | | |
| input Image: Series and the series is the senie is the s | | |
| Connection Input: 1: -wire sensor: terminals 1+, 3- mere wire sensor: terminals 1-, 5- ma Imput 1 Exact Sense sensor: sensor aco: to EN 60947-5-6 (NAMUR) or mechanical contact Imput 1 Sensor: S | | ≤1.8 W; 2 VA/1.8 W; 2 VA |
| input I: terminal 13.4.1.4 start-up overfide;Input I2: 67 avrice sensor, sensor acc. to EN 60947-56 (NAMUR) or mechanical contactinput I2: 2/ 1/40 nAinput resistance4.7 kQInput resistance4.7 kQSwitching pointswitching hysteresislogo 1: 2: 5 m A; logi 0: <1.9 m A | - | |
| Line fundDeclage 12 015 m/s. short-circuit 1 > 6 m/s.Imput2-0 4 3 m/s. short-circuit 12Imput onicuit voltage/short-circuit22 V / 40 m/sCorrent22 V / 40 m/sSmitching points/witching hysteresis100 (1 - 2.2.5 m/s. 100 (0 - 2.1.9 m/s)Imput resistance4.7 kQSmitching points/witching hysteresis100 (1 - 1.200 HzImput requency00 (1 - 1.200 HzLead monitoringBreakage 1.5.1.5 m/s. short-circuit 1 > 4 m/sImput requency10 - 4 m/s. doi:n.:100.0.m.; adjustable in steps of 1 sActive/Pasica12 + m/s (0 m.:.100 m.s) / 1 < 1.5 m/s | Connection | |
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| Open circuit voltage/short-circuit current 22 V / 40 mA Input resistance 4,7 kΩ Switching pointswitching hysteresis logic 1:> 2.5 m A; logic 0:< 1.9 m A | | |
| Switching point/switching hysteresia logic 1: > 2.5 mA; logic 0: <1.9 mA | Open circuit voltage/short-circuit | |
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| Input frequency 0.00 ¹ 12000 Hz Lead monitoring breakage 15:0.15 mA; short-circuit 1 > 4 mA Input II Startup overde: 1 1000 s, adjustable in steps of 1 s Active/Passiva 1 > 4 mA (for min. 100 ms) / 1 < 1.5 mA | Switching point/switching hysteresis | logic 1: > 2.5 mA ; logic 0: < 1.9 mA |
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| Lead monitoring breakage ≤ 0.15 mÅr; short-circuit > 4 mÅ Input II startup override: 1 1000 s, adjustable in steps of 1 s Active/Passive 1 > 4 mÅ (for min, 100 mg) / < 1.5 mÅ | Input frequency | • |
| Input II startup override: 1 1000 s, adjustable in steps of 1 s Active/Passive 1 > 4 mA (10r min. 100 ms) / 1 < 1.5 mA | | |
| Active/Passive I > 4 mA (for min. 100 ms) / I < 1.5 mA | | - |
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| Measuring time < 100 ms | | |
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Maximum Switching Power of Output Contacts

