

## 0 - 20V Pepperl Fuchs Safety Barrier Voltage Repeater KFD2-VR4-Ex1.26

### Our Product Introduction

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#### Basic Information

- Place of Origin: Germany
- Brand Name: PEPPERL FUCHS
- Model Number: KFD2-VR4-Ex1.26
- Minimum Order Quantity: 1
- Price: Negotiable
- Packaging Details: carton
- Delivery Time: Negotiable
- Payment Terms: T/T
- Supply Ability: 100pcs per month



#### Product Specification

- Manufacturer: PEPPERL FUCHS
- Product No: KFD2-VR4-Ex1.26
- Rated Voltage: 19 ... 30 V DC
- Ripple: Within The Supply Tolerance
- Connection Side: Field Side
- Connection: Terminals 7-, 8+
- Voltage: -20 ... 0 V
- Highlight: **20V Pepperl Fuchs Safety Barrier, KFD2-VR4-Ex1.26, PE20V PPERL FUCHS Voltage Repeater**



#### More Images



## Product Description

### PEPPERL FUCHS Voltage Repeater KFD2-VR4-Ex1.26 Voltage output 0 V ... -20 V

#### General specifications

Signal type Analog input

Functional safety related parameters

Safety Integrity Level (SIL) SIL 2

#### Supply

Connection Power Rail or terminals 11+, 12-

Rated voltage 19 ... 30 V DC

Ripple within the supply tolerance

Power dissipation  $\leq 1.2$  W

Power consumption  $\leq 1.6$  W

#### Input

Connection side field side

Connection terminals 4 (common), 1, 3 and 5 (supply -), 2 and 6 (signal -)

Input resistance 10 k $\Omega$  terminals 4 (common), 6-/2-

Output current terminals 4 (common), 5-:  $> 10$  mA at -21 V or  $> 20$  mA at -18 V

terminals 4 (common), 1-: 5.3 mA  $\pm 0.4$  mA at -10 V

terminals 4 (common), 3-: 3.6 mA  $\pm 0.7$  mA at -10 V, 20 °C (68 °F)

Transmission range -20 ... 0 V

#### Output

Connection side control side

Connection terminals 7-, 8+

Voltage -20 ... 0 V

Load  $\geq 9$  k $\Omega$  (3-wire sensor),  $\geq 2$  k $\Omega$  (2-wire sensor)

Output resistance 24  $\Omega$  typ., 27  $\Omega$  maximum

Since this is much less than the end-to-end resistance of a zener barrier, it may be necessary to specify a monitor intended for use without a barrier. Please follow the advice of the monitor manufacturer.

#### Transfer characteristics

Cut-off frequency 10 kHz (-0.1 dB)

20 kHz (-1 dB)

Deviation DC transfer error (with 10 k $\Omega$  load)  $< 10$  mV

After calibration additional error with AC superimposed is  $\pm 5$  mV at 20 °C (68 °F) at any point within the span, provided that the alternating component of the input voltage is not excessive, e. g.

- square waves (0 ... 20 kHz): 5 Vpp

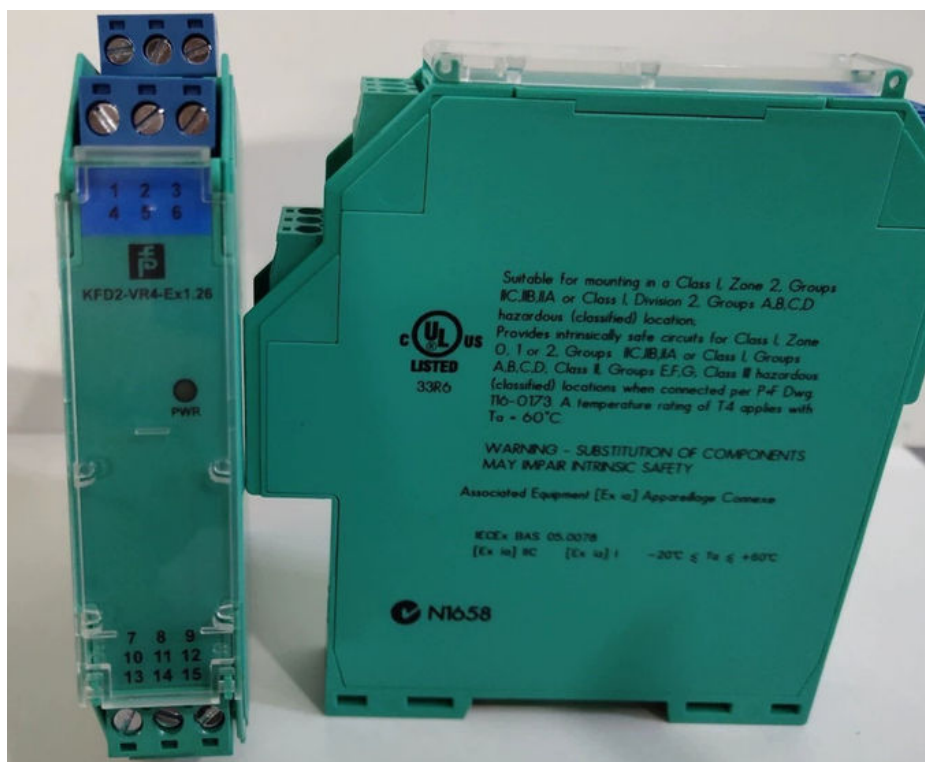
- sine waves (0 ... 20 kHz): the full span of 20 Vpp (= 100 g peak acceleration at 100 mV/g) is acceptable.

Influence of ambient temperature ( $< 100$  ppm of span)/K at any point within the span

Time delay relative to input 7.1  $\pm 0.3$   $\mu$ s

Ripple in 200 kHz bandwidth  $< 20$  mVrms

in 20 kHz bandwidth  $< 3$  mVrms



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Manufacture

Products

<b>Bently Nevada</b>	3500 Vibration Monitoring System 3300 Proximity Probes, Sensors & Transducer Systems
<b>ALLEN BRADLEY</b>	Industrial Control Products
<b>Pepperl-Fuchs</b>	Industrial Sensors & Isolated Barrier
<b>MTL Instruments</b>	Isolated Barrier
<b>Endress+Hauser</b>	Flow, Level, Liquid Analysis Instrument
<b>YOKOGAWA</b>	DCS & Field Instruments & Process Analyzers
<b>TE</b>	Dynamic Products
<b>Georg Fischer</b>	Piping System
<b>SMC</b>	controls, process, and Industrial products
<b>SICK</b>	Laser Sensor
<b>FESTO</b>	Pneumatic & Electric Automation Product
<b>Rosemount</b>	Analytical Products
<b>ASCO</b>	Solenoid Valves
<b>IFM</b>	Sensors & Controllers
<b>SCHMERSAL</b>	Safety switches & Safety Systems
<b>ABB</b>	V18345 Valve Positioner
<b>SIEMENS</b>	PLC modules & Transmitter
<b>FISHER</b>	DLC3100 Digital Level Controller
<b>TELEDYNE</b>	Oxygen Sensor & Fuel Cell
<b>DETCON</b>	Gas Detection Products
<b>HONEYWELL</b>	Switches & Transmitter
<b>VEGA</b>	Level Measurement Products
<b>AUMA</b>	Electric Actuators and Gearboxes
<b>YASKAWA</b>	Industrial Ac Drives
<b>BECKHOFF</b>	Controllers & I/O Modules
<b>BALLUFF</b>	Linear Position Sensors
<b>B&amp;R</b>	PLC Module
<b>Phoenix Contact</b>	Housing
<b>Harting</b>	Connector Han
For more product details, please visit our website: <a href="http://www.achievers-automation.com">www.achievers-automation.com</a>	

#### FAQ of Achievers

Q:Are the Products Genuine OEM Units?

A: These items have been certified by Achievers Automation Limited to be genuine OEM Units obtained through OEM or independent third-party channels.


Q:How will you arrange shipment?

A: We can arrange shipment based on your request. We have cooperated forwarder who can arrange shipment via FedEx, DHL,TNT with good price.

Q:What is the warranty of goods?

A: One-year Warranty.

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