Assembly

• 2-channel

Features

- DC version, positive polarity
- Working voltage 26.5 V/6.5 V at 10 μA
- Series resistance max. 327 $\Omega/64 \Omega$
- Fuse rating 50 mA
- DIN rail mounting
- Asymmetrical version

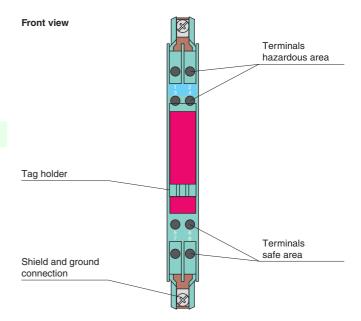
Function

The Zener Barrier prevents the transfer of unacceptably high energy from the safe area into the hazardous area.

The zener diodes in the Zener Barrier are connected in the reverse direction. The breakdown voltage of the diodes is not exceeded in normal operation. If this voltage is exceeded, due to a fault in the safe area, the diodes start to conduct, causing the fuse to blow. The Zener Barrier has a positive polarity, i. e. the anodes of the zener diodes are grounded.

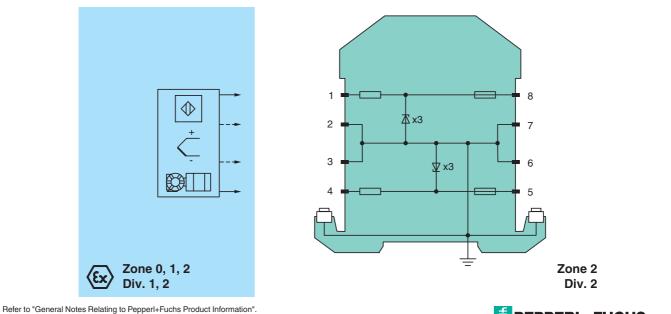
Asymmetrical Zener Barriers are for optimization of applications which have different voltage levels regarding to ground potential.

Depending on the application, increased or decreased intrinsic safety parameters apply for serial or parallel connection. For the detailed parameters refer to the Zener Barrier certificate. Application examples can be found in the system description of the Zener Barriers.



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Connection



USA: +1 330 486 0002 pa-info@us.pepperl-fuchs.com Germany: +49 621 776 2222 pa-info@de.pepperl-fuchs.com

2222 Singapore: +65 6779 9091 s.com pa-info@sg.pepperl-fuchs.com

| Center an specifications DC version, positive polarity Electrical specifications Eversion, positive polarity Electrical specifications terminals 1, 8, 300 01; terminals 4, 5, 50 01 Series resistance terminals 1, 8, max, 327 02; terminals 4, 5, 50 01 Mazzadous area connection terminals 1, 2, 3, 4 Safe area connection terminals 5, 6, 7, 8 Connection terminals 5, 6, 7, 8 Origon of protochon terminals 5, 6, 7, 8 Dogon of protochon terminals 5, 6, 7, 8 Matter conditions terminals 5, 6, 7, 8 Ambient temproprotochon terminals 6, 7, 7, 8 Machanic program formotochon terminals 7, 7, 8 Mass approx. 700 (1, 1, 1, 19, 17) Bolane tormination 22 | | | |
|--|--------------------------------------|----------------|--|
| Electrical specifications Instrume instrume Instrume instrume Sories resistance terminals 1, 8: max. 327 Ω; terminals 4, 5: fox A Rear rating Sories resistance Fue rating Sories resistance Connection terminals 1, 2; 3, 4 Safe area connection terminals 5, 6; 7, 8 Working voltage terminals 5, 6; 7, 8 Working voltage terminals 5, 6; 7, 8 Connection terminals 5, 6; 7, 8 Working voltage terminals 7, 6; max. 26 V; 65 V at 10 µA Contornity EC 06829 Dargue of protection EC 06829 Ambient conditions -20 6: 0° C (-1 169 °F) Relative humidity max. 27 V: 25.5 V at 10 µA Mechanical specifications -20 6: 0° C (-1 169 °F) Relative humidity max. 27 % V: 25.5 V at 10 µA Mechanical specifications -20 6: 0° C (-1 169 °F) Connection +20 6: 0° C (-1 169 °F) Relative humidity max. 27 % V: 25.5 V at 10 µA Connection +20 6: 0° C (-1 169 °F) Relative humidity max. 0°F 0°F> Re | General specifications | | |
| Nominal 1.8: 300.2 terminals 4.5: 50 Ω Series resistance terminals 1.8: 30.2 Ω; terminals 4.5: max. 64 Ω Fuer rating Som Connection terminals 1.2: 3.4 Stafe are connection terminals 5.6: 7.8 Connection terminals 5.6: 7.8 Order of the connection terminals 5.6: 7.8 Diagree of protection terminals 7.8: max. 27 V; 26.5 V at 10 µA Connection terminals 7.8: max. 27 V; 26.5 V at 10 µA Diagree of protection terminals 7.8: max. 27 V; 26.5 V at 10 µA Diagree of protection terminals 7.8: max. 27 V; 26.5 V at 10 µA Number tompristor terminals 7.8: max. 27 V; 26.5 V at 10 µA Stafe connection terminals 7.8: max. 37 V; 26.5 V at 10 µA Number tompristor terminals 7.8: max. 37 V; 26.5 V at 10 µA Stafe connection terminals 7.9: max. 37 V; 26.5 V at 10 µA Number tompristor terminals 7.9: max. 37 V; 26.5 V at 10 µA Stafe connection terminals 7.9: max. 37 V; 26.5 V at 10 µA Stafe connection terminals 7.9: max. 37 V; 26.5 V at 10 µA Diagree of protection max. core coreas-accion 2.2 S mm² Diagree of protection self-pacing c | | | DC version, positive polarity |
| Series paisance terminals 1, 8: max. 327 Ω; terminals 4, 5: max. 64 Ω Fuse rating SomA Baracrous area connection terminals 1, 2; 3, 4 Connection terminals 5, 6: 7, 8 Working voltage terminals 5, 6: 7, 8 Connection terminals 5, 6: 7, 8 Connection terminals 5, 6: 7, 8 Connection terminals 5, 6: max. 85 Ø; 6.5 V at 10 µA Connection terminals 7, 8: max. 27.V; 26.5 V at 10 µA Connection terminals 7, 8: max. 27.V; 26.5 V at 10 µA Connection terminals 7, 8: max. 27.V; 26.5 V at 10 µA Connection terminals 7, 8: max. 27.V; 26.5 V at 10 µA Connection terminals 7, 8: max. 27.V; 26.5 V at 10 µA Maint connection terminals 7, 8: 0: Michal moleture condensation Match connection terminals 7, 8: 0: Michal moleture condensation Match approx. 150 g max. consection 1 P20 Connection P20 max. 250 m/C Dimension Localition in connection P20 b P20 b Match approx. 150 g Dimension 2: C EN 60715:2001 Dimension Localition in con | | | |
| Fusi raing50 mAHazardous area connectioneminals 1, 2, 3, 4Connectioneminals 1, 2, 3, 4Safe are connectioneminals 5, 7, 8Connectioneminals 5, 6, 7, 8Working voltageiterminals 7, 8, max. 277, 25, 5V at 10 µADegree of protectionEC 60529Ambient temperature6, 6, 0° (4, -140 °F)Storage temperature25, -0° (-13, -158 °F)Relative humidityrational storage temperatureBelgere of protection162, 0° (4, -140 °F)Belgere of protection25, -0° (-13, -158 °F)Mechanical specificationsmax. core crease-section 24, 25 mm²Degree of protection25, 10° (13, -158 °F)Connectionself-specifications 100 (13, 158 °F)Degree of protection125 × 115 × 110 mm (0, 5 × 4, 5 × 4, 3 in)Connectionself-specification 24, 25 mm²Masiapproxing value set system descriptionConnectionself-specification 24, 25 mm²Masiapproxing value value set system descriptionConnectionself-specification 24, 25 mm²Mountingao 140 Min wanting raile act: to NoOT52001Derive pageself-specification 24, 26 mm (14, 120 °C × 1 _{mm} 26 °C) (16/ circuit (15, 120 ml (12, 120 °C × 1 _{mm} 26 °C) (16/ circuit (15, 120 ml (12, 120 °C × 1 _{mm} 26 °C) (16/ circuit (15, 120 ml (12, 120 °C × 1 _{mm} 26 °C) (16/ circuit (15, 120 ml (12, 120 °C × 1 _{mm} 26 °C) (16/ circuit (15, 120 °C × 1 _{mm} 26 °C) (16/ circuit (15, 120 °C × 1 _{mm} 26 °C) (16/ circuit (15, 120 °C × 1 _{mm} 26 °C) (16/ circuit (15, 120 °C × 1 _{mm} 26 °C) (16/ circuit (15, 120 °C × 1 _{mm} 26 °C) (16/ circuit (12, 120 °C × 1 _{mm} 26 °C × 1 | | | |
| Hazardoui area connection ierminals 1, 2; 3, 4 Safe area connection ierminals 5, 6; 7, 8 Connection ierminals 5, 6; 7, 8 Working voltage ierminals 5, 6; 7, 8 Connection ierminals 5, 6; 7, 8 Connection ierminals 5, 6; 7, 8 Contornity ierminals 5, 6; 7, 8 Degree of protection ierminals 7, 8; max, 27 V; 26, 5 V at 10 µA Ambient condition ierminals 7, 6; max, 88, V, 6, 5 V at 10 µA Ambient condition ierminals 7, 6; max, 88, V, 6, 5 V at 10 µA Ambient condition ierminals 7, 6; max, 88, V, 6, 5 V at 10 µA Ambient condition ierminals 7, 6; max, 88, V, 6, 5 V at 10 µA Ambient condition ierminals 7, 6; max, 88, V, 6, 5 V at 10 µA Degree of protection ierminals 7, 18; without moisture condensation Masin approx. 150 g Degree of protection ierxista 110 mm (05, 4, 4, 5, 4, 3, 4) Consection is 25, 5115 110 mm (05, 4, 45, x, 4, 3, in) Consection pipe modular terminals 1, 2: 80 mm Masing on pipe intervinte is 25, 5115 4 at 50 µA Consection pipe intervintes is 25, 5115 4 at 50 µA < | | | |
| Connection terminals 1, 2: 3, 4 Safe area connection terminals 5, 6: 7, 8 Connection terminals 5, 6: 7, 8 Working voltage terminals 5, 6: 7, 8 Connection terminals 5, 6: 7, 8, 50, 20, 50, 20, 10, µA Connection terminals 5, 6: max, 86, 06, 50, 20, 10, µA Connection terminals 5, 6: max, 86, 06, 50, 20, 10, µA Connection terminals 5, 6: max, 86, 06, 50, 20, 10, µA Connection terminals 5, 6: max, 86, 00, 10, µA Ambient temperature c. 60, °C (4140, °F) Storage temperature c. 60, °C (4140, °F) Mechanical specifications max, 75 %, without moisture condensation Mechanical specifications max, 75 %, without moisture condensation Mechanical specifications self-opening connection terminals, max, 75 % Masis approx, 150 0 Dimensions 125, x115, x110 mm (0.5, x4.5, x4.3 in) Construction type modular terminal housing, see system description Mounting on 35 mm DN mounting rait acc. to EN 00715/2001 Voltage Up (11)(DL (11)(L) (11) (12, is Ga [II (C, [Ex is Da [I | - | | 50 mA |
| Safe are connection Internals 5, 6; 7, 0 Connection terminals 7, 8; max, 27 V; 26, 5 V at 10 µA Working voltage terminals 7, 8; max, 27 V; 26, 5 V at 10 µA Degree of protection IEC 60529 Ambient conditions IEC 60529 Ambient conditions IEC 60529 Ambient conditions IEC 60529 Barge of protection IEC 60529 Mechanical specifications Degree of protection Degree of protection IP20 Connection IP20 Connection IP20 Connection IP20 Connection IP20 Connection IP20 Connection IP20 Construction type modular terminal husing, we saystem description Mounting On 35 mm DIN mounting rail acc. to EN 60715:2001 Data for application in connection Imminals 1, 2: 30 rN; terminals 3, 4: 4: 56 rA Group, category, type of protection Imminals 1, 2: 30 rN; terminals 3, 4: 4:70 mW Voltage Up terminals 1, 2: 20 V Series resistance terminals 1, 2: 20 rN; terminals 3, 4: 4:70 mW | | | |
| Connection terminals 5, 6, 7, 8 Working voltage terminals 7, 8: max. 27 V; 26, 5 V at 10 µA Conformity terminals 5, 6: 7, 8 Degree of protection IEC 60529 Ambient temperature c. 60°C (4 140°F) Storage temperature c. 60°C (4 140°F) Storage temperature c. 60°C (4 140°F) Mechanical apperature c. 60°C (4 140°F) Connection temperature condensation Mechanical apperature c. 60°C (4 140°F) Connection temperature condensation Connection temperature condensation Connection temperature condensation Connection temperature condensation Mass approx. 150 g Dimensions 12.5 x 115 x 110 mm (0.5 x 4.5 x 4.3 in) Construction type modular terminal housing, see system description Mounting on 35 mm DIN mounting rail ac. to EN 60715.2001 Diff of application in connection terminals 1, 2: 80 mA; terminals 3, 4: 100 m (10° L° C < T _{amb} < 60° C) (circuit(s) in zone 01/2] | | | terminals 1, 2; 3, 4 |
| Working voltage terminals 7, 8: max. 27 V/2 6.5 V at 10 µA Degree of protection IEC 60529 Ambient conditons IEC 60529 Ambient conditons 2060 °C (-4140 °F) Storage temperature -2060 °C (-4140 °F) Relative humidity max. 75 %, without moisture condensation Mechanical specifications IP20 Begree of protection IP20 Connection IP20 Connection IP20 Connection IP20 Connection IP20 Dimensions IP20 Connection IP20 Connection tremmal housing, see system description on 35 mm DIN mouning rail acc. to EN 60715.2001 Outing on 35 mm DIN mouning rail acc. to EN 60715.2001 Outing on 35 mm DIN mouning rail acc. to EN 60715.2001 Current IQ IV10D, I (MI) Ex is Gal (IC, Ex is Ma) II C, Ex is Ma) I (20 °C ≤ T _{sumb} ≤ 60 °C) [circuit(s) in zone 0/1/2] Voltage Voltage Iterminals 1, 2: 90 mA: terminals 3, 4: 195 mA Power Po Iterminals 1, 2: 90 mA: terminals 3, 4: 470 mW Supply Iterminals 1, 2: 90 | | | |
| Conformity terminals 5, 6: max. 8.6 V; 6.5 V at 10 µA Degree of protection EC 60529 Ambient conditions - Ambient temperature -20 60 °C (-4 140 °F) Storage temperature -20 60 °C (-4 140 °F) Relative humdity max. 75 %, without moisture condensation Mechanical specifications max. 75 %, without moisture condensation Mechanical specifications self-opening connection terminals, max. core cross-section 2 x 2.5 mm ² Connection 125 x 115 x 110 mm (0.5 x 4 5 x 4.3 in) Construction type modular terminal housing, see system description Mounting on 35 mm DIN mounting rail acc. to EN 60715:2001 Ota paplication in cornection 9K 01 ATEX 7005, for additional certificate see www.pepperf-fuchs.com Group, category, type of protection Gi II (/JOC) (M1) [Ex ia Ga] IIC, (Ex ia Ma) I (-20 °C ≤ T _{amb} ≤ 60 °C) (circuit(s) in zone 0'1/2] Votage U ₀ terminals 1, 2: 30 W; terminals 3, 4: 195 mA Supply 50 V terminals 1, 2: 30 W; terminals 3, 4: 195 mA Supply 50 V terminals 1, 2: 30 W; terminals 3, 4: 195 mA Supply 50 V Suppli (Si III G) (Si III (Si II G) III (Si II G) III (Si II G) III | | | |
| Degree of protection HEC 60529 Ambient conditions -2060 °C (-4140 °F) Storage temperature -2570 °C (-13158 °F) Betative humbint temperature -2570 °C (-13158 °F) Betative humbint temperature -2570 °C (-13158 °F) Degree of protection IP20 Connection self-opening connection terminals, max. core cross-section 2 × 2.5 mm ² Mass approx.150 g Dimensions 12.5 x 115 x 110 mm (0.5 x 4.5 x 4.3 im) Construction type modular terminal housing, see system description Mounting on 35 mm DIN mounting rail acc. to EN 60715.2001 Data for application in connection with Ex-areas BAS 01 ATEX 7005, for additional certificates see www.peppert-fuchs.com Group, category, type of protection Voltage Up terminals 1, 2: 28 V; terminals 3, 4: 95 foV Current Ip terminals 1, 2: 28 V; terminals 3, 4: 95 mA Prower Po terminals 1, 2: 28 V; terminals 3, 4: 90 mW Supply EN 60079-0:2012, EN 60079-11:2012, EN 60079-15:2010 Maximu safe voltage UV Patterninals 1, 2: 80 m, 1 Ecr 1484 X, observe statement of conformity Group, category, ty | Working voltage | | |
| Ambient conditions Ambient temporature 20 60 °C (4 140 °F) Ambient temporature 25 70 °C (-13 158 °F) Relative humidity max. 75 %, without moisture condensation Mechanical specifications IP20 Connection IP20 Connection IP20 Connection IP20 Dimensions 25 715 x 110 mm (0.5 x 4.5 x 4.3 in) Construction type modular terminal housing , see system description Mounting on 35 mm DIM mounting rail acc. to EN 60715.2001 Data for application in connection Gi (110G).1 (M1) [Ex is Ga] IIC, [Ex is Da] IIIC, [Ex is Ma] 1 (20 °C < T _{amb} 560 °C) [circuit(s) in zone 0/12] Votage U _o terminals 1.2: 28 V: terminals 3.4: 256 V Current Votage U _o terminals 1.2: 28 V: terminals 3.4: 470 mW Supply terminals 1.2: 28 V: terminals 3.4: 470 mW terminals 1.2: 28 V: terminals 3.4: 470 mW Supply terminals 1.2: 28 V: terminals 3.4: 470 mW terminals 1.2: 28 V: terminals 3.4: 470 mW Supply terminals 1.2: 28 V: terminals 3.4: 470 mW terminals 1.2: 650 mW: terminals 3.4: 470 mW Supply E0 V terminals 1.2: 650 mW: terminals 3.4 | Conformity | | |
| Ambient temperature -20 60 °C (-4 140 °F) Storage temperature -25 70 °C (-13 158 °F) Relative humidity max. 75 %, without moisture condensation Mechanical specifications IP20 Connection sell-opening connection terminals, max. core cross-secton 2 x.2.5 mm ² Mass approx. 150 g Dimensions 12.5 x 115 x 110 mm (0.5 x 4.5 x 4.3 in) Construction type modular terminal housing, see system description Mounting on 35 mm DIM mounting rail acc. to EN 60715:2001 Data for application in connection terminals 1, 2: 28 x 115 x 110 mm (0.5 x 4.5 x 4.3 in) Cortype Examination Certificate BAS 01 ATEX 7005, for additional certificates see www.pepperl-fuchs.com Group, category, bype of protection (*) II (13C), I (M1) [Ex ia Ga] IIC, [Ex ia Da] IIC, [Ex ia Ma] I (-20 °C < T _{amb} 5 60 °C) [circuit(s) in zone 0/12] Voltage U_a terminals 1, 2: 28 x 1: terminals 3, 4: 470 mW Supply terminals 1, 2: 80 mA; terminals 3, 4: 470 mW Supply terminals 1, 2: 80 mA; terminals 3, 4: 470 mW Supply terminals 1, 2: 80 mA; terminals 3, 4: 470 mW Supply terminals 1, 2: min, 301 Ω; terminals 3, 4: min. 49 Ω Porter & BA (0007m) TUV 99 ATEX 1484 X, observe statement of conformity Group, category, type of protection, tope of protection, tope 14/20 (device in zone 2) | Degree of protection | | IEC 60529 |
| Storage temperature -25 70 °C (-13 158 °F) Relative humidity max. 75 %, without moisture condensation Mechanical specifications IP20 Connection IP20 Connection Selfoching connection terminals, max. core cross section 2 x 2.5 mm ² Mass approx. 150 g Dimensions 12.5 x 115 x 110 mm (0.5 x 4.5 x 4.3 in) Construction type modular terminal housing, see system description Mounting on 35 mm DIM mounting rail acc. to EN 60715:2001 Data for application in connection with Excress ESC 10 ATEX 7005, for additional certificates see www.pepperl-fuchs.com Corrent 60 II (1)(M) [Ex ia Ga] II (C, [Ex ia Da] III (C, [Ex ia Ma] I (-20 °C ≤ T _{amb} ≤ 60 °C) [circuit(s) in zone 0/1/2] Voltage U ₀ terminals 1, 2: 28 V; terminals 3, 4: 470 mW Supply terminals 1, 2: 28 V; terminals 3, 4: 470 mW Escress Statement of conformity Estor V Estor V Maximum safe voltage Um So 10 ATEX 1484 X, observe statement of conformity Maximum safe voltage Vu So 10 ATEX 1484 X, observe statement of conformity Group, category, type of protection Group, category, type of protection Group, category, type of protec | Ambient conditions | | |
| Relative humidity max. 75 %, without moisture condensation Machanical specifications IP20 Connection self-opening connection terminals, max. core cross-section 2 x 2.5 mm ² Mass approx. 150 g Dimensions 12.5 x 115 x 110 mm (0.5 x 4.5 x 4.3 in) Construction type modular terminal housing, see system description Mounting on 35 mm DIN mounting rail acc. to EN 60715:2001 Data for application in connection Self-opening rails acc. to EN 60715:2001 Data for application protection Self (JGD, for additional certificates see www.pepperf-fuchs.com Group, category, type of protection Self (JGD, for additional certificates see www.pepperf-fuchs.com Group, category, type of protection Self (JGD, for additional certificates see www.pepperf-fuchs.com Supply terminals 1, 2: 29 x 3.4; 150 mM Power Po terminals 1, 2: 29 x 3.4; 150 mM Supply terminals 1, 2: 250 V terminals 3, 4: 195 mA Power Po terminals 1, 2: 20 therminals 3, 4: min. 49 Ω Statement of conformity Statement of conformity Group, category, type of trotection, terminals 1, 2: 20 therminals 3, 4: min. 49 Ω terminals 1.2: 20 therminals 3.4: min. 49 Ω Directive 94/9/EO | Ambient temperature | | |
| Mechanical specifications IP20 Degree of protection IP20 Connection self-opening connection terminals, max. core cross-section 2 x 2.5 mm ² Mass approx. 150 g Dimensions 2 x 5.115 x 110 mm (0.5 x 4.5 x 4.3 in) Construction type modular terminal housing, see system description Mounting on 35 mm DIM mounting rail acc. to EN 60715:2001 Data for application in connection EAS 01 ATEX 7005, for additional certificates see www.pepperl-fuchs.com C-Type Examination Certificate BAS 01 ATEX 7005, for additional certificates see www.pepperl-fuchs.com Group, category, type of protection EN 11 (JGD, 1 (M1) [Ex ia Ga] IIC, [Ex ia Ma] 1 (20 °C ≤ T _{amb} 5 60 °C) [circuit(s) in zone 01/12] Voltage U ₀ terminals 3, 4: 95 6V Current I ₀ terminals 1, 2: 80 y, terminals 3, 4: 195 mA Supply TUV 99 ATEX 1484 X, observe statement of conformity TUV 99 ATEX 1484 X, observe statement of conformity Group, category, type of protection, terminals 1, 2: 80 x nA IIC T4 Gc [device in zone 2] TUV 99 ATEX 1484 X, observe statement of conformity Group, category, type of protection, terminals 1, 2: 80 x nA IIC T4 Gc [device in zone 2] TUV 99 ATEX 1484 X, observe statement of conformity Group | Storage temperature | | |
| Degree of protection IP20 Connection self-opening connection terminals, max. core cross-section 2 x 2.5 mm ² Mass approx. 150 g Dimensions 12.5 x 115 x 110 mm (0.5 x 4.5 x 4.3 in) Construction type modular terminal housing, see system description Mounting on 35 mm DIN mounting rail acc. to EN 60715:2001 Data for application in connection with Ex-area BAS 01 ATEX 7005, for additional certificates see www.peppert-fuchs.com EC-Type Examination Certificate BAS 01 ATEX 7005, for additional certificates see www.peppert-fuchs.com Group, category, type of protection (b) II (1GD, I (11) (11) (E) ia Ga) IIIC, [Ex ia Ma] I (20 °C ≤ T _{amb} ≤ 60 °C) [circuit(s) in zone 0/1/2] Voltage Uo terminals 1, 2: 29 x terminals 3, 4: 195 mA Current Io terminals 1, 2: 29 x terminals 3, 4: 195 mA Supply terminals 1, 2: 20 V terminals 1, 2: 20 V Maximum safe voltage Um 250 V Series resistance terminals 1, 2: 20 V Power Po 10 So 174 EX 1484 X, observe statement of conformity Group, category, type of protection, temperature class (D) II 3G Ex nA IIC T4 Gc (device in zone 2] Directive conformity | , | | max. 75 %, without moisture condensation |
| Connection self-opening connection terminals, max. core cross-section 2×2.5 mm ² Mass approx. 150 g Dimensions 12.5 x 115 x 110 mm (0.5 x 4.5 x 4.3 in) Construction type modular terminal housing , see system description Mounting on 35 mm DIN mounting , see system description Outpering on 35 mm DIN mounting , see system description Outpering on 35 mm DIN mounting , see system description Outpering on 35 mm DIN mounting , see system description Outpering on 35 mm DIN mounting , see system description Outpering on 35 mm DIN mounting , see system description Outpering on 35 mm DIN mounting , see system description Outpering on 35 mm DIN mounting , see system description Outpering 0 BAS 01 ATEX 7005 , for additional certificates see www.peperl-fuchs.com Corrent 0 0 BAS 01 ATEX 7005 , for additional certificates see www.peperl-fuchs.com Supply 0 terminals 1, 2: 95 mX; terminals 3, 4: 95 6V terminals 1, 2: 95 mX; terminals 3, 4: 470 mW Supply 250 V terminals 1, 2: 95 mX; terminals 3, 4: 470 mW terminals 1, 2: min. 301 Ω; terminals 3, 4: 470 mW | Mechanical specifications | | |
| max. core cross-section 2 x 2.5 mm ² Mass approx. 160 g Dimensions 12.5 x 115 x 110 mm (0.5 x 4.5 x 4.3 in) Construction type modular terminal housing , see system description Mounting on 35 mm DIN mounting rail acc. to EN 60715:2001 Pata for application in connection BAS 01 ATEX 705 , for additional certificate see www.peperl-fuchs.com Group, category, type of protection \textcircled{N} II (13D, I (MI) [Ex ia Ga] IIC, [Ex ia Da] IIC, [Ex ia Ma] I (-20 °C ≤ T _{amb} ≤ 60 °C) [circuit(s) in zone 0/12] Voltage U $$ II (13D, I (MI) [Ex ia Ga] IIC, [Ex ia Da] IIC, [Ex ia Ma] I (-20 °C ≤ T _{amb} ≤ 60 °C) [circuit(s) in zone 0/12] Power Power Power Power Power Power | • | | IP20 |
| Dimensions 12.5 x 115 x 110 mm (0.5 x 4.5 x 4.3 in) Construction type modular terminal housing, see system description Mounting on 35 mm DIN mounting rail acc. to EN 60715:2001 Data for application in connection with Exareas BAS 01 ATEX 7005, for additional certificates see www.pepperl-fuchs.com EC-Type Examination Certificate BAS 01 ATEX 7005, for additional certificates see www.pepperl-fuchs.com Group, category, type of protection Sull (1)(GD, I (M1) [Ex ia Ga] IIC, [Ex ia Da] IIIC, [Ex ia Ma] I (-20 °C ≤ T _{amb} ≤ 60 °C) [circuit(s) in zone 01/12] Voltage U _o terminals 1, 2: 28 V; terminals 3, 4: 195 mA Power P _o terminals 1, 2: 28 V; terminals 3, 4: 195 mA Supply terminals 1, 2: 30 mX; terminals 3, 4: 195 mA Supply terminals 1, 2: 80 TV Statement of conformity TUV 99 ATEX 1484 X, observe statement of conformity Group, category, type of protection, temperature class W II 3G Ex nA IIC T4 Gc (device in zone 2) Directive softormity TUV 99 ATEX 1484 X, observe statement of conformity Group, category, type of protection, temperature class II 6:0179 Directive softwaring 116:0139 Control drawing 116:0139 Control drawing | Connection | | |
| Construction type modular terminal housing , see system description Mounting o 35 mm DIN mounting rail acc. to EN 60715:2001 Data for application in connection with Ex-areas BAS 01 ATEX 7005, for additional certificates see www,pepperf-tuchs.com Group, category, type of protection © II (1)GD, I (M1) [Ex ia Ga] IIC, [Ex ia Da] IIC, [Ex ia Ma] I (-20 °C ≤ T _{amb} ≤ 60 °C) [circuit(s) in zone 0/1/2] Voltage U₀ Iterminals 1, 2: 20 Y: terminals 3, 4: 95 mA Courrent I₀ Iterminals 1, 2: 650 mW; terminals 3, 4: 470 mW Supply Z50 V terminals 1, 2: 650 mW; terminals 3, 4: 470 mW Series resistance TUV 99 ATEX 1484 X, observe statement of conformity terminals 1, 2: min. 301 Ω; terminals 3, 4: 470 mW Statement of conformity TUV 99 ATEX 1484 X, observe statement of conformity terminals 1, 2: min. 301 Ω; terminals 3, 4: 700 mW Oricetive 94/9/EC EN 60079-0:2012, EN 60079-11:2012, EN 60079-15:2010 EN 60079-0:2012, EN 60079-11:2012, EN 60079-15:2010 International approval TU-0118 TU-0118 TU-0118 UL approval TI-0119 TU-0119 TU-0119 Control drawing TI-0119 TU-0119 TU-0119 UECEX approval TI-0119 TU- | Mass | | approx. 150 g |
| Mounting on 35 mm DIN mounting rail acc. to EN 60715:2001 Data for application in connection with Ex-areas BAS 01 ATEX 7005, for additional certificates see www.pepperl-fuchs.com Group, category, type of protection Giv II (1)GD, I (M1) [Ex ia Ga] IIC, [Ex ia Da] IIC, [Ex ia Ma] I (-20 °C ≤ T _{amb} ≤ 60 °C) [circuit(s) in zone 0/1/2] terrinals 1, 2: 28 V; terrinals 3, 4: 356 V Current Io terrinals 1, 2: 28 V; terrinals 3, 4: 195 mA Power Po Po Etrinals 1, 2: 26 V; terrinals 3, 4: 195 mA Supply terrinals 1, 2: 80 mV; terrinals 3, 4: 470 mW terrinals 1, 2: 80 mV; terrinals 3, 4: 470 mW Supply terrinals 1, 2: min. 301 Ω; terrinals 3, 4: min. 49 Ω terrinals 1 terrinals 1, 2: min. 301 Ω; terrinals 3, 4: min. 49 Ω Permissible connection values [Ex ia] TUV 99 ATEX 1484 X, observe statement of conformity Giv II GG Ex nA IIC T4 Gc [device in zone 2] Directive adaption proved EN approval Giv II GG Ex nA IIC T4 Gc [device in zone 2] Directive adaption proved II E-0118 II E-0118 UL approval II E-0118 II E-0139 Control drawing II E-0119 II E-0119 Gound I adaving II E-0119 II E-0119 Gound I adaving II E-0119 <td colspan="2">Dimensions</td> <td>12.5 x 115 x 110 mm (0.5 x 4.5 x 4.3 in)</td> | Dimensions | | 12.5 x 115 x 110 mm (0.5 x 4.5 x 4.3 in) |
| Data for application in connection with Ex-areas BAS 01 ATEX 7005, for additional certificates see www.pepperl-fuchs.com EC-Type Examination Certificate BAS 01 ATEX 7005, for additional certificates see www.pepperl-fuchs.com Group, category, type of protection Voltage With (1)(BD, 1 (M1) [Ex ia Ga] IIC, [Ex ia Da] IIIC, [Ex ia Ma] 1 (-20 °C ≤ T _{amb} ≤ 60 °C) [circuit(s) in zone 0/1/2] Voltage U _o terminals 1, 2: 28 V; terminals 3, 4: 9.56 V Current I _o terminals 1, 2: 93 mA; terminals 3, 4: 9.56 V Supply terminals 1, 2: 650 mW; terminals 3, 4: 195 mA Power P _o Statement of conformity EEx 10 Permissible connection values [EEx ia] TÚV 99 ATEX 1484 X, observe statement of conformity Group, category, type of protection, temperature class TÚV 99 ATEX 1484 X, observe statement of conformity Directive Gonformity TÚV 99 ATEX 1484 X, observe statement of conformity Directive Gonformity EN 60079-0:2012, EN 60079-11:2012, EN 60079-15:2010 International approval I16-0118 Control drawing 116-0118 UL approval IECEX BAS 09.0142 Control drawing IECEX BAS 09.0142 IECEX BAS 09.0142 IECEX BAS 09.0142 < | Construction type | | modular terminal housing, see system description |
| with Exariasi Identificate BAS 01 ATEX 7005, for additional certificates see www.pepperl-fuchs.com Group, category, type of protection Given (1)(GD, 1 (M1) [Ex ia Ga] IIC, [Ex ia Da] IIIC, [Ex ia Ma] 1 (-20 °C ≤ T _{amb} ≤ 60 °C) [circuit(s) in zone 0/1/2] Voltage Uo terminals 1, 2: 28 V; terminals 3, 4: 9,56 V Current Io terminals 1, 2: 28 V; terminals 3, 4: 9,56 V Supply terminals 1, 2: 28 V; terminals 3, 4: 195 mA Supply terminals 1, 2: 650 mW; terminals 3, 4: 195 mA Supply terminals 1, 2: es0 V; terminals 3, 4: 470 mW Series resistance terminals 1, 2: min. 301 Ω; terminals 3, 4: min. 49 Ω Permissible connoction values [EEx ia] TÜV 99 ATEX 1484 X, observe statement of conformity Group, category, type of protection Given 1000 (Given 2000) Group, category, type of protection Given 1000 (Given 2000) Interactional approval Given 2000 (Given 2000) Interactional approval Ii 6-0118 Control drawing 116-0119 IteCex BAS 09.0142 IteCex BAS 09.0142 Approval Ii 6-0119 IteCex BAS 09.0142 IteCex BAS 09.0142 Approval Ite ia Ga] IIIC, [Ex ia Ma] IIC, [E | Mounting | | on 35 mm DIN mounting rail acc. to EN 60715:2001 |
| Group, category, type of protection Voltage $& \bigcirc$ II (1)GD, I (M1) [Ex ia Ga] IIC, [Ex ia Ma] I (-20 °C $\leq T_{amb} \leq 60 °C)$ [circuit(s) in zone 0/1/2]VoltageUo terminals 1, 2: 28 V; terminals 3, 4: 9.56 VCurrentIo PowerPo PoPowerPo PoSupplyterminals 1, 2: 60 mW; terminals 3, 4: 195 mASupply250 VSeries resistanceterminals 1, 2: min. 301 Ω ; terminals 3, 4: 470 mWPermissible connection values [Ex ia]TÚV 99 ATEX 1484 X, observe statement of conformityGroup, category, type of protection, temperature classTÚV 99 ATEX 1484 X, observe statement of conformityDirective conformityTÚV 99 ATEX 1484 X, observe statement of conformityDirective sof/9/ECEN 60079-0:2012, EN 60079-15:2010International approvalsEN 60079-0:2012, EN 60079-15:2010Control drawing116-0118UL approval116-0119Control drawing116-0119IECEx approval[Ex ta Ga] IIC, [Ex ta Ma] IControl drawing116-0119IECEx approval[Ex ta Ga] IIC, [Ex ta Ma] IApproved for[Ex ta Ga] IIC, [Ex ta Ma] IGeneral informationEC-Type Examination Certificate, Statement of Conformity, Declaration of Conformity, Attestation of Conformity and instructions have to be observed where applicable. For information see www.pepperf- | | | |
| VoltageU₀terminals 1, 2: 28 V; terminals 3, 4: 9.56 VCurrentI₀terminals 1, 2: 93 mA; terminals 3, 4: 195 mAPowerP₀terminals 1, 2: 650 mW; terminals 3, 4: 470 mWSupplyMaximum safe voltageUm250 VSeries resistanceterminals 1, 2: min. 301 Ω; terminals 3, 4: min. 49 ΩPermissible connection values [EEx ia]TÚV 99 ATEX 1484 X, observe statement of conformityGroup, category, type of protection, termperature classUI 305 Ex nA IIC T4 Gc (device in zone 2)Directive conformityEN 60079-0:2012, EN 60079-11:2012, EN 60079-15:2010Directive 94/9/ECEN 60079-0:2012, EN 60079-11:2012, EN 60079-15:2010International approval116-0118UL approval116-0118Control drawing116-0118UL approvalECEX BAS 09.0142Approved forEx ia Gal IIC, [Ex ia Ma] IApproved forEx ia Gal IIC, [Ex ia Ma] IApproved forEx ia Gal IIC, [Ex ia Ma] IGroup di formationEx ia Gal IIC, [Ex ia Ma] IGordor formityEx ia Gal IIC, [Ex ia Ma] IGroup di formationEx ia Gal IIC, [Ex ia Ma] IGroup di formationEx ia Gal IIC, [Ex ia Ma] IGordor formityEx ia Gal IIC, [Ex ia Ma] IGroup di formationEx ia Gal IIC, [Ex ia Ma] IGroup di formationEx ia Gal IIC, [Ex ia Ma] IGroup di formationEx ia Gal IIC, [Ex ia Ma] IGroup di formationEx ia Gal IIC, [Ex ia Ma] IGroup di formationEx ia Gal IIC, [Ex ia Ma] IGroup di formation< | EC-Type Examination Certificate | | BAS 01 ATEX 7005 , for additional certificates see www.pepperl-fuchs.com |
| VoltageU₀terminals 1, 2: 28 V; terminals 3, 4: 9.56 VCurrentI₀terminals 1, 2: 93 mA; terminals 3, 4: 195 mAPowerP₀terminals 1, 2: 650 mW; terminals 3, 4: 470 mWSupplyMaximum safe voltageUm250 VSeries resistanceterminals 1, 2: min. 301 Ω; terminals 3, 4: min. 49 ΩPermissible connection values [EEx ia]TÚV 99 ATEX 1484 X, observe statement of conformityGroup, category, type of protection, termperature classUI 305 Ex nA IIC T4 Gc (device in zone 2)Directive conformityEN 60079-0:2012, EN 60079-11:2012, EN 60079-15:2010Directive 94/9/ECEN 60079-0:2012, EN 60079-11:2012, EN 60079-15:2010International approval116-0118UL approval116-0118Control drawing116-0118UL approvalECEX BAS 09.0142Approved forEx ia Gal IIC, [Ex ia Ma] IApproved forEx ia Gal IIC, [Ex ia Ma] IApproved forEx ia Gal IIC, [Ex ia Ma] IGroup di formationEx ia Gal IIC, [Ex ia Ma] IGordor formityEx ia Gal IIC, [Ex ia Ma] IGroup di formationEx ia Gal IIC, [Ex ia Ma] IGroup di formationEx ia Gal IIC, [Ex ia Ma] IGordor formityEx ia Gal IIC, [Ex ia Ma] IGroup di formationEx ia Gal IIC, [Ex ia Ma] IGroup di formationEx ia Gal IIC, [Ex ia Ma] IGroup di formationEx ia Gal IIC, [Ex ia Ma] IGroup di formationEx ia Gal IIC, [Ex ia Ma] IGroup di formationEx ia Gal IIC, [Ex ia Ma] IGroup di formation< | | | $\langle \overline{tx} \rangle$ II (1)GD, I (M1) [Ex ia Ga] IIC, [Ex ia Da] IIIC, [Ex ia Ma] I (-20 °C $\leq T_{amb} \leq 60$ °C) [circuit(s) in zone 0/1/2] |
| Current Io terminals 1, 2: 93 mA; terminals 3, 4: 195 mA Power Po terminals 1, 2: 650 mW; terminals 3, 4: 470 mW Supply | Voltage | U _o | |
| PowerPoterminals 1, 2: 650 mW; terminals 3, 4: 470 mWSupply250 VMaximum safe voltageUm250 VSeries resistanceUminals 1, 2: min. 301 Ω; terminals 3, 4: min. 49 ΩPermissible connection values [EEx ia]TÜV 99 ATEX 1484 X, observe statement of conformityStatement of conformityTÜV 99 ATEX 1484 X, observe statement of conformityGroup, category, type of protection, temperature classFU 99 ATEX 1484 X, observe statement of conformityDirective conformityFU 99 ATEX 1484 X, observe statement of conformityDirective of voltageFN 60079-0:2012, EN 60079-11:2012, EN 60079-15:2010International approvalsI16-0019FM approvalI16-0118UL approvalI16-0118Control drawing116-0119IcCtrol drawing116-0119IECEx approvalIECEx BAS 09.0142Approved forEx ia Ga] IIC, [Ex ia Da] IIIC, [Ex ia Ma] IGeneral informationEC-Type Examination Certificate, Statement of Conformity, Declaration of Conformity, Attestation of Conformity, attestation of Conformity, attestation of Conformity and instructions have to be observed where applicable. For information see www.pepperl- | Current | | terminals 1, 2: 93 mA; terminals 3, 4: 195 mA |
| Supply Image: Supply Supply <th< td=""><td>Power</td><td></td><td></td></th<> | Power | | |
| Maximum safe voltage Um 250 V Series resistance terminals 1, 2: min. 301 Ω; terminals 3, 4: min. 49 Ω Permissible connection values [EEx ia] TÜV 99 ATEX 1484 X, observe statement of conformity Statement of conformity TÜV 99 ATEX 1484 X, observe statement of conformity Group, category, type of protection, temperature class Will 3G Ex nA IIC T4 Gc [device in zone 2] Directive conformity EN 60079-0:2012, EN 60079-11:2012, EN 60079-15:2010 International approvals EN 60079-0:2012, EN 60079-15:2010 FM approval I16-0118 Control drawing 116-0118 UL approval I16-0139 Control drawing I16-0119 IECEx approval IECEx BAS 09.0142 Approved for [Ex ia Ga] IIC, [Ex ia Da] IIIC, [Ex ia Ma] I General information EC-Type Examination Certificate, Statement of Conformity, Declaration of Conformity, Attestation of Conformity and instructions have to be observed where applicable. For information see www.pepperl- | Supply | 0 | |
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| Permissible connection values [EEx ia] TÜV 99 ATEX 1484 X, observe statement of conformity Statement of conformity TÜV 99 ATEX 1484 X, observe statement of conformity Group, category, type of protection, temperature class Si II 3G Ex nA IIC T4 Gc [device in zone 2] Directive conformity EN 60079-0:2012, EN 60079-11:2012, EN 60079-15:2010 International approvals EN 60079-0:2012, EN 60079-15:2010 FM approval EN 60079-0:2012, EN 60079-15:2010 Control drawing 116-0118 UL approval EN 60079-0:2012, EN 60079-15:2010 Control drawing 116-0118 UL approval EN 60079-0:2012, EN 60079-15:2010 Control drawing 116-0118 UL approval EN 60079-0:2012, EN 60079-15:2010 Control drawing 116-0118 UL approval EN 60079-0:2012, EN 60079-15:2010 Control drawing 116-0119 IECEX approval IECEX BAS 09.0142 Approved for [Ex ia Ga] IIC, [Ex ia Da] IIIC, [Ex ia Ma] I General information EC-Type Examination Certificate, Statement of Conformity, Declaration of Conformity, Attestation of Conformity and instructions have to be observed where applicable. For information see www.pepperl- | - | - 111 | terminals 1, 2; min, 301 Ω ; terminals 3, 4; min, 49 Ω |
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| Supplementary information EC-Type Examination Certificate, Statement of Conformity, Declaration of Conformity, Attestation of Conformity and instructions have to be observed where applicable. For information see www.pepperl- | | | [Ex ia Ga] IIC, [Ex ia Da] IIIC, [Ex ia Ma] I |
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