## Assembly

• 2-channel

Features

- DC version, negative polarity
- Working voltage 24 V/18 V at 10  $\mu A$
- Series resistance max. 340  $\Omega/437 \Omega$
- Fuse rating 50 mA
- DIN rail mounting
- Asymmetrical version

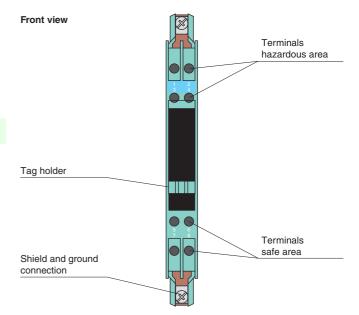
## Function

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 negative polarity, i. e. the cathodes of the zener diodes are grounded.

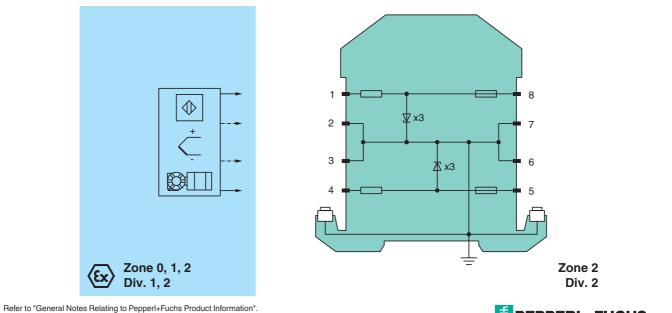
Asymmetrical Zener Barriers are for optimization of applications which have different voltage levels regarding to ground potential.

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.





## Connection



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Contraction     DC version, negative polarity       Electrical specifications     Eversion, negative polarity       Electrical specifications     terminals 1, 8: 320 0.1; terminals 4, 5: 415 0.1       Series resistance     terminals 1, 8: 320 0.1; terminals 4, 5: max, 437 0.1       Series resistance     terminals 1, 2; 3, 4       Safe are connection     terminals 5, 6, 7, 8       Connection     terminals 5, 6, 7, 8       Working voltage     terminals 5, 6, 7, 8       Degree of protection     terminals 5, 6, 7, 8       Degree of protection     terminals 5, 6, 7, 8       Degree of protection     terminals 5, 6, 7, 8       Moring voltage     terminals 5, 6, 7, 8       Degree of protection     terminals 5, 6, 7, 8       Storage temperature     42, 5, 0° C (14, -140 °F)       Storage temperature     42, 5, 0° C (13, 180 °F)       Relative humidity     max, 60° C (44, -140 °F)       Storage temperature     42, 5, 0° C (13, 180 °F)       Relative humidity     max, 60° C (44, 140 °F)       Storage/fieldon     terminals 1, 2, 30 °C (14, 140 °F)       Degree of protection     terminals 1, 2, 50 °C (75, 0°C (50, C	Concret en está setiene		
Electrical specifications     Instruments 1, 8, 330 02; terminals 4, 5, 51 50       Sories resistance     terminals 1, 8, 330 02; terminals 4, 5, 51 50       Sories resistance     terminals 1, 2, 3, 4       Atzardous area connection     terminals 1, 2, 3, 4       Connection     terminals 5, 6, 7, 8       Working voltage     terminals 5, 6, 7, 8       Working voltage     terminals 5, 6, 7, 8       Connection     terminals 5, 6, max, 19 V, 18 V at 10 µA       Connection     terminals 5, 6, max, 19 V, 18 V at 10 µA       Connection     terminals 5, 6, max, 19 V, 18 V at 10 µA       Connection     terminals 5, 6, max, 19 V, 18 V at 10 µA       Connection     terminals 5, 6, max, 19 V, 18 V at 10 µA       Degree of protection     terminals 5, 6, max, 19 V, 18 V at 10 µA       Connection     connection       Mastance apport(fattoms     max, 75 %, whoot mosture condensation       Mastance apport(fattoms     terminals 1, 2, 50 P       Degree of protection     12 S × 11 S × 11 W mm (05 × 4 S × 4.3 m)       Connection     terminals 1, 2, 50 P       Mastance apports, the of opporting connection terminals, max, coll opport 1, 12 S × 11 S	General specifications		
Nominal 1, 8: 230 L terminals 4, 5: 415 G.Series resistanceterminals 1, 8: max. 340 Q; terminals 4, 5: max. 437 QFuse rating50 mAHazer dofuminals 1, 2; 3, 4Connectionterminals 5, 6; 7, 8Connectionterminals 5, 6; 7, 8Working voltagieterminals 6, 6; 7, 8Diagree of protectionterminals 6, 6; 7, 8Connectionterminals 6, 6; 7, 8Connectionterminals 6, 6; 7, 8Diagree of protectionterminals 6, 6; 7, 8Connectionterminals 6, 6; 7, 8Diagree of protectionterminals 7, 8: max. 246 V; 24 V at 10 µAConnectionterminals 7, 8: max. 246 V; 24 V at 10 µAConnectionterminals 7, 8: max. 246 V; 24 V at 10 µAAmbient temporation62, 00°C (4,140 °F)Storage temporature20, -00°C (4,140 °F)Relative humiditymax. 75 %, without moisture condensationMatch conditionsmax. 75 %, without moisture condensationMatch conditionsapprox: 100 gConnectionapprox: 100 gDiagene of protectionself-speing connection terminals, max. core creas-section 2 x 2.5 mm <sup>2</sup> Matsapprox: 100 gConstruction bypemodular terminal housing, see system descriptionMatsapprox: 100 gConstruction bypemodular terminals 0, 4.5 x 4.5 u, 10 mu (05 x 4.5 u, 10 mu			DC version, negative polarity
Series resistance     Iterminals 1, 8; max. 340 Ω; terminals 4, 5; max. 437 Ω       Fuse rating     So mA       Maxardous area connection     Emminals 1, 2; 3, 4       Safe area connection     terminals 5, 6; 7, 8       Safe area connection     terminals 5, 6; 7, 8       Vorking voltage     terminals 5, 6; 7, 8       Connection     terminals 5, 6; 7, 8       Order on the terminals 5, 6; 7, 8     terminals 7, 8; 7, 8       Connection     terminals 5, 6; 7, 8       Moder to onthins     E       Degree of protection     EC 00529       Ambient temperature     -20, -80 °C (-4, -140 °F)       Storage temperature     -20, -80 °C (-4, -140 °F)       Storage temperature     -20, -80 °C (-4, -140 °F)       Degree of protection     IP20       Connection     IP20       Connection     IP20       Degree of protection     IP20       Degree of protection     IP20       Degree of protection     IP20       Degree of protection     IP20       Connection     IP20       Connection     IP20       Degree of protection     IP20<	-		
Fuse rating     50 mA       Hazerdous area connection     ferminals 1, 2; 3, 4       Safe area connection     ferminals 5, 6; 7, 8       Connection     terminals 5, 6; 7, 8       Working voltage     terminals 5, 6; 7, 8       Degree of protection     IEC 60529       Ambient conditions			
Hazardous area connection     intrinals 1, 2; 3, 4       Connection     terminals 5, 6; 7, 8       Verking voltage     terminals 5, 6; 7, 8       Connection     terminals 5, 6; 7, 8       Verking voltage     terminals 5, 6; 7, 8       Connection     terminals 5, 6; 7, 8       Conformity     terminals 5, 6; 7, 8       Degree of protection     EC 60529       Ambient config     25, 7, 0° (13, 158 °F)       Relative humidity     max, 75 %, without moisture condensation       Machanical specifications     P20       Degree of protection     P20       Connection     12,5,5,115,110 mm (05,5,4,5,x,4,3,in)       Construction type     modular terminals, 2,2,5 mm <sup>2</sup> Mass     approx. 150 g       Dimensions     12,5,5,115,110 mm (05,5,4,5,x,4,3,in)       Construction type     modular terminals 0,4,200 V515,2001       Deta for application in connection     Sign DIN mounting rale ac. to EN 60715,2001       Of roup, category, type of protection     6 (0, 11(105,116,116 and B)) (IC, Ex ia Ad) IIC, (Ex ia Ad) IIC, (20 °C *T <sub>arma</sub> ≤ 60 °C) [circuit(s) in zone 0/12]       Voltage     0,     terminals 1, 2: 260 mV; terminals 3, 4: 200 mW       Ser			
Connection     terminals 1, 2; 3, 4       Sefa area connection     terminals 5, 6; 7, 8       Connection     terminals 5, 6; 7, 8       Working voltage     terminals 5, 6; 7, 8       Begree of protection     terminals 5, 6; 7, 8       Degree of protection     terminals 5, 6; 7, 8       Degree of protection     terminals 5, 6; 7, 8       Ambient temperature     c.60 °C (4140 °F)       Storage temperature     e.80 °C (4140 °F)       Mechanical specifications     max, 75 %, without moisture condensation       Mechanical specifications     max, 75 %, without moisture condensation       Mechanical specifications     approx.150 of       Dimensions     125 x 115 x 110 mm (0.5 x 4.5 x 4.3 in)       Conservicion type     modual terminal housing, see system description       Onstruction type     modual terminals 0.4: 05 0°       Dimensions     125 x 115 x 110 mm (0.5 x 4.5 x 4.3 in)       Conservicion type     modual terminals 0.4: 05 0°       Conservicion type     Modual terminals 0.4: 05 0°       Conservicion type     So 10 TEX 7005, for additional certificates see www.pepert-fuchs.com       Group, category, type of protection     So 10 TEX 7005, for additional certificates se	Ũ		50 mA
Safe area connection     Interninals 5, 8; 7, 8       Connection     terminals 7, 8; max, 24, 6 V; 24 V at 10 µA       Working voltage     terminals 3, 8; max, 19 V; 18 V at 10 µA       Contornity     IEC 60529       Ambient conditions        Ambient conditions        Ambient conditions        Bagree of protection     IEC 60529       Mather to mather temperature        25, 70 °C (-1, 10, °F)       Storage temperature        Degree of protection     IE20       Connection     max, 75 %, vithout moisture condensation       Machanical specifications     IE20       Connection     modular terminal housing, we as yatem description       Construction type     modular terminal housing, we as yatem description       Construction type     modular terminal housing, we as yatem description       On 35 mm DIN mounting rail acc. to EN 60715:2001     Iterminals 1, 2: 86 (+) terminals 3, 4: 205 V       Cornort     terminals 1, 2: 86 (+) terminals 3, 4: 205 V       Cornort     terminals 1, 2: 86 (+) terminals 3, 4: 205 V       Cornort     terminals 1, 2: 86 (+) terminals 3, 4: 205 V       Statore polication in			
Connection terminals 5, 6; 7, 8   Working voltage terminals 5, 6; 7, 8   Working voltage terminals 5, 6; 7, 8   Conformity Ec 60529   Ambient conditions EC 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)   Belative humidity max. 75 %, without moisture condensation   Mechanical ageotations Pa0   Connection ed opening connection terminals, max. core cross-section 2 × 2.5 mm <sup>2</sup> Mass approx. 150 g   Dimensions 12 × 115 × 110 mm (05 × 4.5 × 4.3 in)   Connection ed opening connection terminals, max. core cross-section 2 × 2.5 mm <sup>2</sup> Mass approx. 150 g   Dimensions 12 × 115 × 110 mm (05 × 4.5 × 4.3 in)   Construction type modular terminal housing, see system description   Mounting on 35 mm DN mounting rail ace. to F0075 /2001   With Exares Øl (11/DL) (1/M) [Exi a Ga] [C, [Exi k Da] [IC, [Exi Ma] [1/20 °C × 1 <sub>amp</sub> ≤ 60 °C) [circuit(5) in zone 0/12]   Votage U   Group, category, type of protection With instands 3, 4: 2: 60 V   Supply terminals 1, 2: 80 V   Group, category, type of protection terminals 1, 2: 80 K, terminals 3, 4: 2: 60 mk			terminals 1, 2; 3, 4
Working voltage     terminals 7, 8: max. 24 6 V, 24 V at 10 µA       Conformity     Emminals 5, 6: max. 19 V; 16 V at 10 µA       Dargree of protection     IEC 60529       Ambient conditions     EC 60529       Ambient conditions     20	Safe area connection		
Conformity     terminals 5, 6: max. 19 V; 18 V at 10 µÅ       Degree of protection     EC 60529       Ambient temperature     -20 60 °C (4 140 °F)       Storage temperature     -20 60 °C (4 140 °F)       Storage temperature     -20 60 °C (4 140 °F)       Relative humidity     max. 75 %, without moisture condensation       Mechanical specifications     max. 75 %, without moisture condensation       Begree of protection     FP20       Connection     self-opening connection terminals, max. core cross-section 2 x 2.5 mm <sup>2</sup> Masis     epporox. 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       Ota for application in connection     Gi (1(1)CL) (M1) [ Exi (a Ga) [IC, [Exi ia Ga] (IC, [Exi ia Ga) [I (20 °C ≤ T <sub>amb</sub> ≤ 60 °C) [circuit(s) in zone 0/1/2]       Votage     U <sub>0</sub> terminals 1, 2: 256 N: terminals 3, 4: 50 mA       Supply     ferminals 1, 2: 256 N: terminals 3, 4: 50 mA       Supply     ferminals 1, 2: 256 N: terminals 3, 4: 50 mA       Supply     ferminals 1, 2: 256 N: terminals 3, 4: 50 mA       Suproval     G			
Degree of protection     HEC 60529       Ambient temperature     -2060 °C (4140 °F)       Storage temperature     -25 70 °C (13158 °F)       Belative humbint temperature     -25 70 °C (13158 °F)       Belative humbint     max. 75 %, without moisture condensation       Mechanical specifications     P20       Connection     self-opening connection terminals, max. core cross-section 2 × 2.5 mm <sup>2</sup> Construction type     modular terminal housing, see system description       Mounting     on S5 m DIN mounting rail acc. to EN 60715.2001       Data for application in connection     Gil (Opo) (Mi) (Gil (Mi) (Exis (Gil (C) Exis ID BI) (C) (Exis ID	Working voltage		
Ambient conditions     Col. a. 0 ° C ( 4 140 ° F)       Ambient temperature     25 70 ° C ( 13 158 F)       Relative humidity     max. 75 %, without moisture condensation       Moderal specifications     IP20       Connection     IP20       Connection     IP20       Connection     IP20       Dimensions     25 70 ° C ( 13 158 * T)       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       Mouting     on 33 mm DIM mounting rail acc. to EN 60715.2001       Construction type     modular terminal housing , see system description       Mouting     Ga S 01 ATEX 7005 , for additional certificates see www.pepperf-fuchs.com       Group, category, type of protection     Gi (11GD, 1 (M1) [Exia Ga] IIC, [Exia Da] IIC, [Exia Ma] 1 ( 20 ° C × T <sub>amb</sub> 56 0° C) [circuit(s) in zone 0/1/2]       Votage     U <sub>0</sub> terminals 1, 2: 25 6 V: terminals 3, 4: 260 mM       Supply     terminals 1, 2: 25 6 V: terminals 3, 4: 260 mM       Supply     terminals 1, 2: 25 6 V: terminals 3, 4: 260 mM       Supply     terminals 1, 2: 25 6 V: terminals 3, 4: 260 mM       Suppo	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 P20   Connection sell-opening connection terminals, max. core cross-section 2 x.2.5 mm <sup>2</sup> 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 Exarces   EC-Type Examination Certificate BAS 01 ATEX 7005, for additional certificates see www.pepperl-fuchs.com   Group, category, type of protection (%) II (110C), I(M1) [Ex ia Ga] IIC, [Ex ia Da] IIC, [Ex ia Ma] I (+20 °C <t<sub>amb &lt; 60 °C) [circuit(s) in zone 01/2]</t<sub>	Degree of protection		IEC 60529
Storage temperature -2570 °C (-13158 °F)   Relative humidity max. 75 %, without moisture condensation   Mechanical specifications IP20   Connection Self-opening connection terminals, max. core cross-section 2 x 2.5 mm <sup>2</sup> 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 55 mm DIM mounting rail acc. to EN 60715.2001   Data for application in connectificate BAS 01 ATEX 7005, for additional certificates see www.pepperf-fuchs.com   Group, category, bype of protection §U II (16D, I. (M1) [Ex ia Ga] IIC, [Ex ia Da] IIC, [Ex ia Ma] I (-20 °C < T <sub>wenb</sub> 60 °C) [circuit(s) in zone 01/2]   Votage U <sub>0</sub> terminals 1, 2: 86 mX; terminals 3, 4: 20.5 W   Supply terminals 1, 2: 86 mX; terminals 3, 4: 20 mW   Supply terminals 1, 2: 86 mX; terminals 3, 4: 20 mW   Supply terminals 1, 2: 80 mX; terminals 3, 4: 20 mW   Supply terminals 1, 2: 80 mX; terminals 3, 4: 20 mW   Supply terminals 1, 2: 80 mX; terminals 3, 4: 20 mW   Supproxe power   Group, category, hype of protection (b) 110 (Si (K1) [Ex ia Ga] IIC, [Ex ia Da] IIC, [Ex ia Da] IIC   Superature classon terminals 1, 2: min. 314 Ω; terminals 3, 4: 20 mW   Superature classon (D) 99 ATEX 1484 X, ob	Ambient conditions		
Relative humidity     max. 75 %, without moisture condensation       Machanical specifications        Degree of protection     IP20       Connection     self-opening connection terminals, max. core cross-section 2 x.2.5 mm <sup>2</sup> 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 cornection     fill (1GD, 1(M1) [Ex is Ga] IIC, [Ex ia Ma] I (20 ° C ≤ T <sub>amb</sub> ≤ 60 °C) (circuit(s) in zone 017/2]       Votage     U <sub>0</sub> terminals 1, 2: 25 & 0.5 V       Group, category, type of protection     for (1) (GD, 1(M1) [Ex is Ga] IIC, [Ex ia Ma] I (20 ° C ≤ T <sub>amb</sub> ≤ 60 °C) (circuit(s) in zone 017/2]       Votage     U <sub>0</sub> terminals 1, 2: 25 & 0.5 V       Current     V <sub>0</sub> terminals 1, 2: 25 & 0.5 V       Supply     terminals 1, 2: 25 OV       Series resistance     terminals 1, 2: 25 OV       Series resistance     terminals 1, 2: 25 N and II C4 Go (device in zone 2)       Permissible connection values (EEx ia)     Side x null C4 Go (device in zone 2)       Statement of conformity     fol 30 X an III C4 Go (device i	Ambient temperature		
Mechanical specifications     IP20       Degree of protection     IP20       Connection     self-opening connection terminals, max core cross-section 2 x 2.5 mm <sup>2</sup> Mass     aproxents to general connection terminals, max core cross-section 2 x 2.5 mm <sup>2</sup> Mass     aproxents to general connection terminal housing , see system description       Contruction type     modular terminal housing , see system description       Mounting     on Stan DIN mounting rail acc. to EN 60715:2001       Contruction type     modular terminals nousing , see system description       Contruction type     modular terminals nousing , see system description       Contruction type     modular terminals nousing , see system description       Contruction type     modular terminals nousing , see system description       Contruction type     BAS 01 ATEX 7005, for additional certificates see www.pepperl-fuchs.com       Group, claegory, type of protection     © II (1)GD, (1M1) (Ex ia Ga) IIC, (Ex ia Ma) 1 (20 °C ≤ T <sub>amb</sub> > 60 °C) (circuit(s) in zone 0/12]       Volage     U <sub>0</sub> terminals 1, 2: 25 60 rW; terminals 3, 4: 20.0 rW       Support     terminals 1, 2: 25 60 rW; terminals 3, 4: 20.0 rW       Support = V     Sup V       Maximu sefe voltage     U <sub>0</sub> II 30 (2 EX ATEX TAVA X, observe statement of contomit	Storage temperature		
Degree of protection     IP20       Connection     self-opening connection terminals, max. core cross-section 2 x 2.5 mm <sup>2</sup> 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 Exares     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     (b) II (1)(D, I, (11)) (L) (L) (L) (L) (L) (L ia Ma) II (20 °C ≤ T <sub>amb</sub> ≤ 60 °C) (circuit(s) in zone 0/1/2)       Voltage     Uo     terminals 1, 2: 2: 66 V: terminals 3, 4: 200 FW       Current     Io     terminals 1, 2: 2: 56 V: terminals 3, 4: 200 FW       Maximum safe voltage     Um     250 V       Supply     TÚV 99 ATEX 1484 X, observe statement of conformity     (m) II 3GE x nA IIC T4 Gc (device in zone 2)       Power     Po     III 8-0119       International approval     III 8-0119       Ontroid drawing     III 8-0119       Usa poroval     III 6-0119       Controi	•		max. 75 %, without moisture condensation
Connection     self-opening connection terminals, max. core cross-section 2×2.5 mm <sup>2</sup> Mass     approx.150g       Dimensions     12.5 x 115 x 110 mm (0.5 x 4.5 x 4.3 in)       Construction type     modular terminal nousing, see system description       Mounting     os 3 mm DIN mounting rail ace. to EN 60715:2011       Data for application in connection with Exarcas     BAS 01 ATEX 7005, for additional certificates see www.pepperl-fuchs.com       Corup, category, type of protection Voltage     Qo       Group, category, type of protection Voltage     Qo       Ec-Type Examination Certificate     BAS 01 ATEX 7005, for additional certificates see www.pepperl-fuchs.com       Group, category, type of protection Voltage     Qo       Turnals 1, 2: 56 mX; terminals 3, 4: 20.5 V     terminals 1, 2: 56 mX; terminals 3, 4: 20.5 V       Supply     250 V     terminals 1, 2: 56 mX; terminals 3, 4: 200 mW       Supply     250 V     terminals 1, 2: min. 314 Ω; terminals 3, 4: 200 mW       Supply     250 V     terminals 1, 2: min. 314 Ω; terminals 3, 4: 200 mW       Group, category, type of protection, temperature class     TUV 99 ATEX 1484 X, observe statement of conformity       Directive conformity     TUV 99 ATEX 1484 X, observe statement of conformity       Directive conformity	Mechanical specifications		
max. core cross-section 2 x 2.5 mm <sup>2</sup> Mass     approx. 150 g       Dimensions     Construction type     modular terminal housing , see system description       Outsing     on 35 mm DIN mounting rail acc. to EN 60715:2001       Data for application in connection     Second particular terminal housing , see system description       Outsing     on 35 mm DIN mounting rail acc. to EN 60715:2001       Data for application in connection     Second particular terminals in connection       Group, category, type of protection     Second particular terminals 1, 2: 86 for, terminals 3, 4: 20.5 V       Outage     Up     terminals 1, 2: 86 mX; terminals 3, 4: 20.5 V       Power     Power     Power     Power       Power     Power     Power     Power     Power       Primiss 1, 2: 85 mX; terminals 3, 4: 260 mW     terminals 1, 2: 85 mX; terminals 3, 4: 260 mW       Supply     Earning 1, 2: min 314 Ω; terminals 3, 4: 260 mW     Power       Supply     Earning 1, 2: min 314 Ω; terminals 3, 4: 20 mX     Power       Supply     Earning 1, 2: min 314 Ω; terminals 3, 4: min .407 Ω     Period particular discription       Supply     Earning 1, 2: min 314 Ω; terminals 3, 4: min .407 Ω     Period particular discription discription discri			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   See II (1)GD, I (M1) [Ex ia Ga] IIC, [Ex ia Da] IIIC, [Ex ia Ma] I (-20 °C ≤ T <sub>amb</sub> ≤ 60 °C) [circuit(s) in zone 0/1/2]     Voltage   U <sub>o</sub> terminals 1, 2: 26.6 V; terminals 3, 4: 20.5 V     Gururent   I <sub>o</sub> terminals 1, 2: 26.6 V; terminals 3, 4: 20.6 WW     Supply   terminals 1, 2: 26.6 V; terminals 3, 4: 200 mW     Supply   terminals 1, 2: 80 mW; terminals 3, 4: 200 mW     Supply   terminals 1, 2: min. 314 Ω; terminals 3, 4: 200 mW     Statement of conformity   TUV 99 ATEX 1484 X, observe statement of conformity     Group, category, type of protection temperature class   for 80079-11: 2012, EN 60079-15: 2010     Directive sonformity   EN 60079-0: 2012, EN 60079-15: 2010     Iternational approval   116-0139     Control drawing   116-0139     Control drawing   116-0139     C	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 <sub>amb</sub> ≤ 60 °C) [circuit(s) in zone 0/1/2]       Voltage     U₀     terminals 1, 2: 26 0 V. terminals 3, 4: 250 mA       Current     I₀     terminals 1, 2: 26 0 mW; terminals 3, 4: 260 mW       Supply     TU 99 ATEX 1484 X, observe statement of conformity     TU 99 ATEX 1484 X, observe statement of conformity       Group, category, type of protection, temperature class     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 90 ATEX 1484 X, observe statement of conformity     EN 60079-0:2012, EN 60079-11:2012, EN 60079-15:2010       International approval     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     Inte-0118     Encoreaction of drawing     Inte-0118       UL approval     Inte-0118     Inte-0119     Inte-0119       Controd drawing     Inte-0119     Inte-0119	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       C-Type Examination Certificate     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] IIIC, [Ex ia Ma] I (:20 °C ≤ T <sub>amb</sub> ≤ 60 °C) [circuit(s) in zone 0/1/2] terminals 1, 2: 26.6 V; terminals 3, 4: 20.5 V       Current     Io     terminals 1, 2: 26.6 V; terminals 3, 4: 20.5 W       Supply     terminals 1, 2: 26.6 V; terminals 3, 4: 20.5 W       Supply     terminals 1, 2: 26.6 V; terminals 3, 4: 20.5 W       Supply     terminals 1, 2: 850 mW; terminals 3, 4: 260 mW       Supply     terminals 1, 2: min. 314 Ω; terminals 3, 4: 260 mW       Supply     terminals 1, 2: min. 314 Ω; terminals 3, 4: min. 407 Ω       Permissible connection values [Ex ia]     TUV 99 ATEX 1484 X, observe statement of conformity       Group, category, type of protection temperature class     fol 3G Ex nA IIC T4 Gc [device in zone 2]       Directive softormity     fol 3G Ex nA IIC T4 Gc [device in zone 2]       Directive softord drawing     116-0118       UL approval     fol 19       Gounto drawing     116-0139       Gount	Dimensions		12.5 x 115 x 110 mm (0.5 x 4.5 x 4.3 in)
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 Voltage     Voltage     Uo       terminals 1, 2: 26.6 V; terminals 3, 4: 20.5 V     terminals 1, 2: 26.6 V; terminals 3, 4: 20.5 V       Current     Io     terminals 1, 2: 25.6 W; terminals 3, 4: 20.5 W       Supply     terminals 1, 2: 560 mW; terminals 3, 4: 200 mW       Supply     Extended Voltage       Maximum safe voltage     Um       Statement of conformity     EX 0 V       Group, category, type of protection, temperature class     VU 99 ATEX 1484 X, observe statement of conformity       Group, category, type of protection, temperature class     VU 99 ATEX 1484 X, observe statement of conformity       Group, category, type of protection, temperature class     VI 16079-0:2012, EN 60079-11:2012, EN 60079-15:2010       International approval     EN 60079-0:2012, EN 60079-11:2012, EN 60079-15:2010       International approval     116-0118       Control drawing     116-0118       UL approval     EX BAS 09.0142       Control drawing     116-0119       IECEX BAS 09.0142 <td colspan="2">Construction type</td> <td>modular terminal housing, see system description</td>	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     Sol 11 (FI) (GD, 1 (M1) [Exia Ga] IIC, [Exia Da] IIIC, [Exia Ma] 1 (-20 °C ≤ T <sub>amb</sub> ≤ 60 °C) [circuit(s) in zone 0/1/2]       Voltage     Uo     terminals 1, 2: 26.6 V; terminals 3, 4: 20.5 V       Current     Io     terminals 1, 2: 25.6 V; terminals 3, 4: 20.0 FW       Power     Po     terminals 1, 2: 25.6 W; terminals 3, 4: 260 mW       Supply     terminals 1, 2: 250 mW; terminals 3, 4: 260 mW       Maximu safe voltage     Um     250 V       Series resistance     terminals 1, 2: min. 314 Ω; terminals 3, 4: 260 mW       Permissible connoction values [EExia]     TÜV 99 ATEX 1484 X, observe statement of conformity       Group, category, type of protection     Sol II GG Exin AIIC T4 Gc [device in zone 2]       Interactional approval     Sol II GO 0079-0:2012, EN 60079-11:2012, EN 60079-15:2010       Interactional approval     III 6-0118       Control drawing     116-0118       UL approval     III 6-0119       Control drawing     III 6-0119       IECEX approval     III 6-0119       Approved for     [Exia Ga] IIC, [Exia Da] IIIC, [Exia Ma] I       Approved for	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]VoltageU_oterminals 1, 2: 26.6 V; terminals 3, 4: 20.5 VCurrentI_oterminals 1, 2: 85 mA; terminals 3, 4: 200 mWPowerP_oterminals 1, 2: 560 mW; terminals 3, 4: 260 mWSupplyterminals 1, 2: 560 mW; terminals 3, 4: 260 mWSupply250 VSeries resistanceterminals 1, 2: min. 314 $\Omega$ ; terminals 3, 4: 260 mWPermissible connection values [Etx 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 conformityBirective 34/9/ECEN 60079-0:2012, EN 60079-11:2012, EN 60079-15:2010International approvalsEN 60079-0:2012, EN 60079-15:2010Control drawing116-0118UL approval116-0119Control drawing116-0119IECEx approval[Ex aGa] IIC, [Ex ia 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: 26.6 V; terminals 3, 4: 20.5 VCurrentI₀terminals 1, 2: 85 mA; terminals 3, 4: 50 mAPowerP₀terminals 1, 2: 560 mW; terminals 3, 4: 260 mWSupply250 VSeries resistanceterminals 1, 2: min. 314 Ω; terminals 3, 4: min. 407 ΩPermissible connection values [EEx ia]TÚV 99 ATEX 1484 X, observe statement of conformityGroup, category, type of protection, termperature classil II GE xn All CT 4 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 approvalEEX BAS 09.0142Control drawing116-0119IECEx approvalECx BAS 09.0142Approved forEx ia Gal IIC, [Ex ia Ma] IIC, [Ex ia 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.pepperle	EC-Type Examination Certificate		BAS 01 ATEX 7005, for additional certificates see www.pepperl-fuchs.com
VoltageU₀terminals 1, 2: 26.6 V; terminals 3, 4: 20.5 VCurrentI₀terminals 1, 2: 85 mA; terminals 3, 4: 50 mAPowerP₀terminals 1, 2: 560 mW; terminals 3, 4: 260 mWSupply250 VSeries resistanceterminals 1, 2: min. 314 Ω; terminals 3, 4: min. 407 ΩPermissible connection values [EEx ia]TÚV 99 ATEX 1484 X, observe statement of conformityGroup, category, type of protection, termperature classil II GE xn All CT 4 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 approvalEEX BAS 09.0142Control drawing116-0119IECEx approvalECx BAS 09.0142Approved forEx ia Gal IIC, [Ex ia Ma] IIC, [Ex ia 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.pepperle			$\langle \widehat{\mathbf{tx}} \rangle$ 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: 85 mA; terminals 3, 4: 50 mA     Power   Po   terminals 1, 2: 560 mW; terminals 3, 4: 260 mW     Supply      Maximum safe voltage   Um   250 V     Series resistance   terminals 1, 2: min. 314 Ω; terminals 3, 4: min. 407 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   EN 60079-0:2012, EN 60079-11:2012, EN 60079-15:2010     Directive 94/9/EC   EN 60079-0:2012, EN 60079-11:2012, EN 60079-15:2010     International approval   I16-0118     Control drawing   116-0118     UL approval   ECEx BAS 09.0142     Control drawing   I16-0119     IECEx approval   [ECEx 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.pepperf	Voltage	U <sub>o</sub>	
Power     P₀     terminals 1, 2: 560 mW; terminals 3, 4: 260 mW       Supply        Maximum safe voltage     Um     250 V       Series resistance     Source     250 V       Permissible connection values [Exia]     TÜV 99 ATEX 1484 X, observe statement of conformity     TÜV 99 ATEX 1484 X, observe statement of conformity       Statement of conformity     TÜV 99 ATEX 1484 X, observe statement of conformity     Source       Group, category, type of protection, temperature class     Sill 3G Ex nA IIC T4 Gc [device in zone 2]       Directive sonformity     Source     Source       Directive of sol/s/// SC     Source     Source       Mapproval     Information     Source     Source       Control drawing     116-0118     Information     Information       Control drawing     116-0119     Information     Information       Control drawing     116-0119     Information     Information       Approval     Ex a Gaj IIC, [Ex ia Daj IIIC, [Ex ia Ma] I     Ex a Gaj IIC, [Ex ia Daj IIIC, [Ex ia Ma] I       General information     Ex a Gaj IIC, [Ex ia Daj IIIC, [Ex ia Ma] I     Conformity, Attestation of Conformity, Attestation of Conformity, Declaration of Conformity, Attestation of	-		
Supply     Image: Supply     Supply <th< td=""><td>Power</td><td></td><td>terminals 1, 2: 560 mW; terminals 3, 4: 260 mW</td></th<>	Power		terminals 1, 2: 560 mW; terminals 3, 4: 260 mW
Maximum safe voltage   Um   250 V     Series resistance   terminals 1, 2: min. 314 Ω; terminals 3, 4: min. 407 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   []] II GE Ex nA IIC T4 Gc [device in zone 2]     Directive conformity   []]     Directive 94/9/EC   EN 60079-0:2012, EN 60079-11:2012, EN 60079-15:2010     International approvals   []]     FM approval   []]     Control drawing   116-0118     UL approval   []]     Control drawing   116-0139     Control drawing   116-0119     IECEx approval   []]	Supply	Ū	
Series resistance   terminals 1, 2: min. 314 Ω; terminals 3, 4: min. 407 Ω     Permissible connection values [EEx ia]     Statement of conformity     TÜV 99 ATEX 1484 X, observe statement of conformity     Group, category, type of protection, temperature class     Directive onformity     Directive 94/9/EC     EN 60079-0:2012, EN 60079-15:2010     International approvals     FM approval     Control drawing     116-0118     UL approval     Control drawing     116-0119     IECEx approval     IECEx approval     Approved for     [Ex ia Ga] IIC, [Ex ia Da] IIIC, [Ex ia Ma] I     General information     Supplementary information		Um	250 V
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 onformity 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] 1   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-			terminals 1, 2: min. 314 $\Omega$ ; terminals 3, 4: min. 407 $\Omega$
Statement of conformity   TÜV 99 ATEX 1484 X, observe statement of conformity     Group, category, type of protection, temperature class   III 3G Ex nA IIC T4 Gc [device in zone 2]     Directive conformity   EN 60079-0:2012, EN 60079-15:2010     International approvals   EN 60079-0:2012, EN 60079-15:2010     FM approval   III-0118     Control drawing   116-0118     UL approval   III-0119     Control drawing   III-0119     IteCEX approval   ECEX BAS 09.0142     Control drawing   III-0119     IECEX BAS 09.0142   ECEX 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-			
Group, category, type of protection, temperature class   I I 3G Ex nA IIC T4 Gc [device in zone 2]     Directive conformity   EN 60079-0:2012, EN 60079-15:2010     Directive 94/9/EC   EN 60079-0:2012, EN 60079-15:2010     International approvals   EN 60079-0:2012, EN 60079-15:2010     FM approval   I16-0118     UL approval   I16-0118     Control drawing   116-0139     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-			TÜV 99 ATEX 1484 X, observe statement of conformity
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FM approval   Infe-0118     Control drawing   116-0139     Control drawing   116-0139     CSA approval   Infe-0119     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-			
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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-			
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
Conformity and instructions have to be observed where applicable. For information see www.pepperl-			
	Supplementary information		Conformity and instructions have to be observed where applicable. For information see www.pepperl-

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