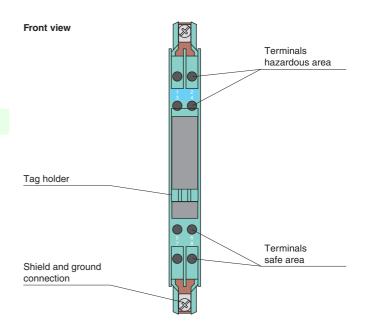
- 2-channel
- AC version
- Working voltage 6.5 V at 10 μA
- Series resistance max. 106 Ω
- Fuse rating 100 mA
- · DIN rail mounting

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 alternating polarities, i. e. interconnected zener diodes are employed and one side is grounded. The Zener Barrier can be used for both alternating voltage signals and direct voltage signals.

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.





Assembly

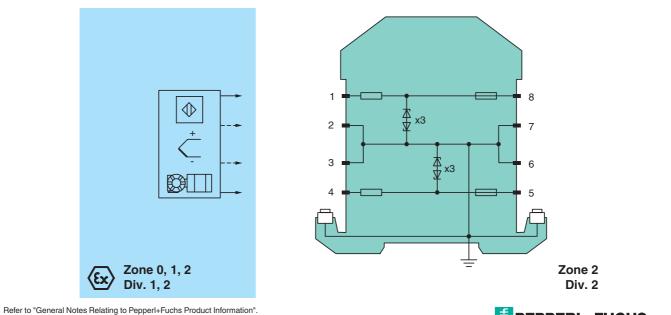
Connection

Pepperl+Fuchs Group

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General specifications AC version Field apocifications AC version Seriors resistance 100 Ω Seriors resistance 100 Ω Seriors resistance 100 Ω Restance seriors (CON) Non Main tresistance Seriors resistance Non Main tresistance Connection Non Main tresistance Seriors resonance Non Main tresistance Connection Non Main tresistance Seriors resonance Non Main tresistance Connection Non Main tresistance Degree of protection Non Main tresistance Seriors performature -2060 °C (-4100 °F)			
Financial spacifications Independence Nominal resistance 100 J Series resistance max. 106 J Euse rating 100 n.A Hazardous area connection terminals 1.2: 3. 4 Connection terminals 5.6: 7.8 Violing violage max. 77.V, 6.5 V at 10 µA Connection terminals 5.6: 7.8 Violing violage max. 77.V, 6.5 V at 10 µA Connection terminals 5.6: 7.8 Violing violage max. 75.9, vithout moisture condencation Machent conditions terminals 7.5 %, vithout moisture condencation Mechanical aperifications max. 75.9, vithout moisture condencation Mechanical aperifications terminals 7.5 %, vithout moisture condencation Mechanical aperifications terminals 7.5 %, vithout moisture condencation Mechanical aperifications terminals resistance Dimensions terminals 7.5 %, vithout moisture condencation Mass approx. 150 g Dimensions terminals resistance Connection self orparing connection terminals. Group catagory, tope of protection terminals resistance	General specifications		
<form>Nomina emission100.0Series resistancemax 100.0Hear raing100.AHazer connectionterminals 1, 2, 3, 4Sale a connectionterminals 5, 7, 8Connectionterminals 5, 7, 8Degree of protectionterminals 5, 7, 8Degree of protectionterminals 5, 7, 8Degree of protectionterminals 5, 7, 8Ambient terminals 5, 7, 0, 55 V at 10 µÅConnectionterminals 5, 7, 0, 55 V at 10 µÅDegree of protectionterminals 5, 7, 0, 55 V at 10 µÅAmbient terminals 5, 6, 7, 0°C (13,158 F)Storage of protectionself-conclino self-concention self</form>	Туре		AC version
Series resistance max. 106 14 Fuse rating 100 mA Fuse rating 100 mA Connection terminals 1, 2; 3, 4 Connection terminals 5, 6; 7, 8 Connection terminals 5, 6; 7, 8 Varking voltage max. 77.V, 6, 5 V at 10 µA Connection terminals 5, 6; 7, 8 Varking voltage max. 77.V, 6, 5 V at 10 µA Connection terminals 5, 6; 7, 8 Varking voltage max. 77.V, 6, 5 V at 10 µA Connection terminals 7, 5%, without moisture condensation Machanic all pectifications terminals, 1, 100 m. (0, 5 v. 4, 5 v. 4, 3 in) Connection self-opening connection terminals, 100 m. (0, 5 v. 4, 5 v. 4, 3 in) Connection self-opening connection terminals, 100 m. (0, 5 v. 4, 5 v. 4, 3 in) Connection self-opening connection terminals, 100 m. (0, 5 v. 4, 5 v. 4, 3 in) Connection self-opening connection terminals, 100 m. (0, 5 v. 4, 5 v. 4, 3 in) Connection self-opening connection terminals, 100 m. (0, 5 v. 4, 5 v. 4, 3 in) Connection self-opening connection terminals, 100 m. (0, 5 v. 4, 5 v. 4, 3 in) Connection self-opening connection	Electrical specifications		
Fuscrating 100 mA Hazerdous area connection terminals 1, 2, 3, 4 Connection terminals 5, 6, 7, 8 Connection max. 7, 7 V, 6, 6, 5 v at 10 µA Connection max. 7, 7 V, 6, 6, 5 v at 10 µA Connection terminals 5, 6, 7, 8 Working voltage max. 7, 7 V, 6, 6, 5 v at 10 µA Connection terminals 6, 6, 7, 8 Modent conditions terminals 0, 6, 7, 8 Ambient temperature 26, 60° (C 4, 140 °F) Storage temperature 25, 70° (C 13, 158 °F) Pelative humidity max. 75 %, without moisture condensation Masis approx. 150 g Connection salf-opening connection terminals. max. core creaseaction 2 × 2.8 mm ² Masis approx. 150 g Dimensions 12.5 x 115 x 110 mm (0.5 x 4.5 x 4.3 in) Construction type modulat terminal husing: we expected function. Post for application to connection salf-opening connection terminals. max. core creaseaction 2 × 2.5 mm ² Connection modulat terminal husing: we expected function acting terminal husing: we expected function acting terminal husing: we expected function acting terminal husing: we expected functing terminal husing: max.	Nominal resistance		100 Ω
Hzardou reaconnection initials 1, 2, 3, 4 Connection initials 1, 2, 3, 4 Safe area connection initials 1, 2, 3, 4 Voltage of protection initials 1, 2, 3, 4 Connection initials 1, 2, 3, 4 Storage temporation initials 1, 2, 3, 4 Ambient conditions initials 1, 2, 3, 4 Ambient conditions initials 1, 2, 3, 4 Begreed protection initials 1, 2, 3, 4 Degreed protection initials 1, 2, 3, 4 Degreed protection initials 1, 2, 3, 4 Dimensions initials 1, 2, 5, 4, without moisture condensation Mass eef-opening connection terminals, inax, 75 %, without moisture condensation Dimensions initials 1, 10 m (0, 5 x, 4 S x 4, 3, in) Connection hype modula terminal housing, see system description Mouting on 3 m DIN mousing rai ac. to EN 60715, 2001 Po	Series resistance		max. 106 Ω
Connection terminals 1, 2; 3, 4 Safe area connection terminals 5, 6; 7, 8 Connection terminals 5, 6; 7, 8 Working voltage max, 7, 7V, 6, 6V at 10 µA Conformity E Degree of protection EG 66052 Ambient conditions 20 60 °C (4 140 °F) Storage temperature 25 70 °C (13 158 °F) Balative humity max, 75, without moisture condensation Mechanical specifications IP20 Connection IP20 Connection IP20 Connection terminals, Conceros-section 2 x 25 mm ² Mass approx. 150 g Dimensions 12 x x 115 x 110 mm (0.5 x 4,5 x 4,3 i) Construction type modular terminal husing; see system description Mutting on 35 mm DIN mounting ral acc. 16 N6 0715; 2001 Distat for application 1 nonecolitaci SA 0 A TEX 7005, for additional certificates see www.pepperi-fuchs.com Group, category, type of protection SA 17 X X 2005, for additional certificates see www.pepperi-fuchs.com Group, category, type of protection SA 17 X 2005, for additional certificates see www.pepperi-fuchs.com Group, categor	Fuse rating		100 mA
Safe area connection terminals 5, 6; 7, 8 Connection terminals 5, 6; 7, 8 Warking voltage max, 77, 7, 6, 5V at 10 µA Conformity EC 60529 Ambient temperature -20 60 °C (-4 140 °F) Storage temperature -20 60 °C (-4 140 °F) Storage temperature -25 70 °C (-13 158 °F) Relative humidify max, 75 %, without moisture condensation Mechanical specifications IP20 Connection IP20 Connection IP20 Disnessions 125 × 115 × 110 °m (0.5 × 4.5 × 4.3 in) Connection IP20 Disnessions 125 × 115 × 110 °m (0.5 × 4.5 × 4.3 in) Connection IP20 Storage tempolection in connection IP20 × 155 × 10 °m (0.5 × 4.5 × 4.3 in) Masis 125 × 115 × 110 °m (0.5 × 4.5 × 4.3 in) Storage top protection IP20 × 155 × 10 °m (0.5 × 4.5 × 4.3 in) Connection vigoe modular terminal housing, see system description Mounting on 35 °m DIN mounting rail acc. to EN 60715 ± 2001 Valage U/0 (II (10.0.1 (MII (Ex is Ga) IIIC, [Ex is Ma] I (± 20 °C ≤ T _{amp} ≤ 60 °C) (picotit)	Hazardous area connection		
Connection terminals 5, 6, 7, 8 Working voltage max, 7.7 V, 5.5 V at 10 µA Conformity EC 60529 Pagee of protection EC 60529 Ambient conditions	Connection		terminals 1, 2; 3, 4
Working voltage max. 7.7 V, 6.5 V at 10 µA Conformity max. 7.7 V, 6.5 V at 10 µA Degree of protection IEC 60529 Ambient conditions	Safe area connection		
Control Feed Particle (Control (Contro) (Control (Contro (Contro) (Contro) (Contro) (Con	Connection		terminals 5, 6; 7, 8
Degree of protection IEC 60529 Ambient temperature 2060 °C (4140 °F) Storage temperature 2570 °C (-13158 °F) Relative humidity max. 75 %, without moisture condensation Mechanical specifications IP20 Connection IP20 Connection sepresonation (2000) Dimensions 12.5 x 115 x 110 mm (0.5 x 4.5 x 4.3 in) Construction type modular 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 Dimounting rail acc. to EN 60715:2001 Data for application in connection with Exaress EC-Type Examination Certificate BAS 01 ATEX 7005 , for additional certificates see www.pepperf-fuchs.com Group, category, type of protection with 190 mW Quarent b 90 mA Power P_0 Statement of conformity tion 90 mA Group, category, type of protection, temperature class tion 90 MA Direcitve Aly/EC tEN 60079-0:2012, E	Working voltage		max. 7.7 V , 6.5 V at 10 μA
Ambient conditions Co60 °C (4140 °F) Ambient temperature -2060 °C (4140 °F) Storage temperature -2570 °C (-13158 °F) Relative humidity max. 75 %, without moisture condensation Mechanical specifications P20 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 × 115 × 110 mm (0.5 × 4.5 × 4.3 in) Construction type modular terminal houring, see system description Mounting on 35 mm DIN mounting rai acc. to EN 60715:2001 Data for application in connection timinals, interpreting and the sciption Sign and terminal houring, see system description Group, category, type of protection Sol 1 ATEX 7005, for additional certificates see www.pepperl-fuchs.com Group, category, type of protection Sol 11(1)GL I (M1) [Ex ia Ga] IIC, [Ex ia Da] IIIC, [Ex ia Ma] I (-20 °C < T _{amb} 5 60 °C) [circuit(s) in zone 0/1/2] Votage U _o Size As All CT 4 Ge [device in zone 2] Group, category, type of protection, tim, 98 Ω TV Satisfies resistance min. 98 Ω Power Po 190 °M	Conformity		
Anbient temperature -2060 °C (-4140 °F) Storage temperature -2570 °C (-13158 °F) Relative humidity max. 57 %, without moisture condensation Mechanical 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 Sim AB S 01 ATEX 7005, for additional certificates see www.pepperl-fuchs.com Group, category, type of protection Si MA S 01 ATEX 7005, for additional certificates see www.pepperl-fuchs.com Voltage Up BAS 01 ATEX 7005, for additional certificates see www.pepperl-fuchs.com Group, category, type of protection Si M II (190.1) (M1) [Ex ia Ga] IIC, [Ex ia Ma] I (-20 °C < T _{amb} S 60 °C) [circuit(s) in zone 0/1/2] Supply Si S V Si S V Supply Si S V Si S V Maximum safe voltage Um Si S A R II C 4 Ca (device in zone 2) Power Po IS So V R II S A R II C 4 Ca (device in zone 2) International approval <td< td=""><td colspan="2">Degree of protection</td><td>IEC 60529</td></td<>	Degree of protection		IEC 60529
Storage temperature -2570 °C (-13 158 °F) Relative humidity max. 75 %, without moisture condensation Mechanical Specifications max. 75 %, without moisture condensation Degree of protection IP20 Connection self-opening conection 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 Path for application in connection % II (13D, 1(M) [Ex ia Ga] IIC, [Ex ia Ma] 1 (20 °C ≤ T _{amb} ≤ 60 °C) [circuit(s) in zone 0/1/2] Voltage Uo 8.5 V Current Io 9 mA Power Po 19 mW Supply unin 96 1 250 V Maximum safe voltage Uu 250 V Statement of conformity GW (13 GE x nAI IC T4 Ge (device in zone 2] Maximum safe voltage UV 99 ATEX 1484 X, observe statement of conformity Group, category, type of protection, the meyerature class WO (99 ATEX 1484 X, observe statement of conformity Directive ontomity <td colspan="2">Ambient conditions</td> <td></td>	Ambient conditions		
Relative humidity max. 75 %, without moisture condensation Mechanical specifications IP20 Degree of protection IP20 Connection self-opening connection terminals, max. core cross-section 2 x.25 mm ² Mass approxements approxements Openentsions 12.5 x 115 x 110 mm (0.5 x 4.5 x 4.3 in) modular terminal housing, see system description Mounting modular terminal housing, see system description modular terminal housing, see system description Mounting modular terminal housing, see system description modular terminal housing, see system description Openent for application in connection modular terminal housing, see system description modular terminal housing, see system description Openent for application in connection modular terminal housing, see system description modular terminal housing, see system description Outgoing on 35 mm DIN mounting rail acc. to EN 60715:2001 modular terminal housing, see system description Openent for application in connection Si If (1GD, 1(M1) [Ex ia Ga] IIC, [Ex ia Ma] I (20 °C ≤ T _{ampl} ≤ 60 °C) [circuit(s) in zone 01/2] Current Ig Ig Si If (1GD, 1(M1) [Ex ia Ga] IIC, [Ex ia Ma] I (20 °C ≤ T _{ampl} ≤ 60 °C) [circuit(s) in zone 01/2]	Ambient temperature		-20 60 °C (-4 140 °F)
NetworkSelectionDegred protectionPG0Connectionself-opening connection terminals, san: core coss-section 2 x.5 mm²MassSelf-opening connection terminals, san: core coss-section 2 x.5 mm²Mass12x x115 x110 mm (0.5 x 4.5 x 4.3 in)Connection typeSol 2 x x115 x110 mm (0.5 x 4.5 x 4.3 in)MumingSol 2 x x115 x110 mm (0.5 x 4.5 x 4.3 in)Connection typeSol 2 x x115 x110 mm (0.5 x 4.5 x 4.3 in)MumingSol 2 x x115 x110 mm (0.5 x 4.5 x 4.3 in)Connection typeSol 2 x x115 x110 mm (0.5 x 4.5 x 4.3 in)MumingSol 2 x x115 x110 mm (0.5 x 4.5 x 4.3 in)Connection typeSol 2 x x115 x110 mm (0.5 x 4.5 x 4.3 in)MumingSol 2 x x115 x110 mm (0.5 x 4.5 x 4.3 in)MumongSol 2 x x115 x110 mm (0.5 x 4.5 x 4.3 in)PowerSol 2 x x115 x110 mm (0.5 x 4.5 x 4.3 in)PowerBol 2 x x115 x110 mm (0.5 x 4.5 x 4.3 in)PowerBol 2 x x115 x110 mm (0.5 x 4.5 x 4.3 in)PowerBol 2 x x115 x110 mm (0.5 x 4.5 x 4.3 in)PowerBol 2 x x115 x110 x110 x110 x110 x110 x110 x1	Storage temperature		-25 70 °C (-13 158 °F)
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 Sen 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 Son ITEX 7005, for additional certificates see www.peppert-fuchs.com Voltage U Son A Power P_0 180 mA Supply 100 mW Son V Series resistance min. 98 Q Permissible connection values (EEx ia) Si QE V Protection structure class Si QE V Directive softomity Si QE V Protection structure class Si QE V Directive softomity Si QE V Directive softomity Si QE V nA IIC T4 Gc [device in zone 2] Directive softomity	Relative humidity		max. 75 % , without moisture condensation
Connection self-opening connection terminals, max. core cross-section 2 x 2.5 mm² 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 SAS 01 ATEX 7005, for additional certificates see www.pepperl-fuchs.com Cortype Examination Certificate BAS 01 ATEX 7005, for additional certificates see www.pepperl-fuchs.com Group, category, type of protection Su 11 (IGD, I (M1) [Ex ia Ga] IIC, [Ex ia Da] IIIC, [Ex ia Ma] I (-20 °C ≤ T _{amb} ≤ 60 °C) [circuit(s) in zone 0/1/2] Voltage U_o 8.7 V Current I_0 89 mA Power P_o 190 mW Supply mis 90 mis 90 Permissible connection values [Ex ia] FUV 99 ATEX 1494 X, observe statement of conformity Group, category, type of protection Si I I G Ex nA II C T 4 Gc (device in zone 2] Directive softwarding II Ge Ex nA II C T 4 Gc (device in zone 2] Directive softwarding II 6-0113 LL approval II 6-0113 Control drawing II 6-01139 <td colspan="2">Mechanical specifications</td> <td></td>	Mechanical specifications		
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 Mouning on 35 mm DIN mounting rail acc. to EN 60715.2001 Data for application in correctom Sime DIN mounting rail acc. to EN 60715.2001 Charles application in correctom Sime DIN mounting rail acc. to EN 60715.2001 Data for application in correctom Sime DIN mounting rail acc. to EN 60715.2001 Charles application in correctom Sime DIN mounting rail acc. to EN 60715.2001 Charles application in correctom Sime DIN mounting rail acc. to EN 6075 (circuit(s) in zone 0/12) Charles application in correctom Sime DIN mounting rail acc. to EN 6075 (circuit(s) in zone 0/12) Output Bin ABS 0 ATEX 7005, for additional certificates see www.pepperl-fuchs.com Group, category, type of protection Sime DIN Mounting rail acc. to EN 6075 (circuit(s) in zone 0/12) Power Po Bin ABS 0 ATEX 7005, for addition application in set works and proval set	Degree of protection		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 Pata for application in connection Gonzy (1) (1) (1) (1) (1) (1) (1) (1) (1) (1)	Connection		
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 £x-areas BAS 01 ATEX 7005 , for additional certificates see www.pepperf-fuchs.com EC-Type Examination Certificate BAS 01 ATEX 7005 , for additional certificates see www.pepperf-fuchs.com Group, category, type of protection So II (1)(GD, I (MI) [Ex ia Ga] IIC, [Ex ia Da] IIIC, [Ex ia Ma] I (-20 °C ≤ T _{amb} ≤ 60 °C) [circuit(s) in zone 0/1/2] Voltage Uo 89 mA Power Po 190 mW Supply 250 V Maximum safe voltage Um 250 V Series resistance min. 98 Ω Permissible connection values [Ex ia] TUV 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 International approvals II6-0118 II6-0118 UL approval II6-0118 II6-0119 Control drawing II6-0119 II6-CEX BAS 09.0142 Approved for Ex ia Ga] IIC, [Ex ia Da] IIIC, [Ex ia Ma] I Ex ia Ga] IIC, [Ex ia Ma] IIC	Mass		approx. 150 g
Mounting on 35 mm DIN mounting rail ace. to EN 60715:2001 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 GN II (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 0/1/2] Voltage U _o 8.7 V Current I _o 89 mA Power P _o 190 mW Supply Z50 V Statement of conformity Control monother Permissible connection values [EEx ia] TUV 99 ATEX 1484 X, observe statement of conformity Statement of conformity Statement of conformity Directive conformity EEx ia] State A IIC T4 Gc [device in zone 2] IIC T4 Gc [device in zone 2] Directive softyPEC EN 60079-0:2012, EN 60079-11:2012, EN 60079-15:2010 IIC T4 Gc [device in zone 2] International approval IIC T14 GC [device in zone 2] IIC T4 GC [device in zone 2] Control drawing III-0118 IIC T4 GC [device in zone 2] Control drawing IIC-0119 IIC ECEX BAS 09.0142	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 Certificat BAS 01 ATEX 7005, for additional certificates see www.pepperl-fuchs.com Group, category, type of protection €N II (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 0/1/2] Voltage Uo 8.7 V Current Io 89 mA Power Po 190 mW Supply 250 V min. 98 Ω Permissible connection values [EEx ia] 510 V min. 98 Ω Statement of conformity fúV 99 ATEX 1484 X, observe statement of conformity fúV 99 ATEX 1484 X, observe statement of conformity Group, category, type of protection fúV 199 ATEX 1484 X, observe statement of conformity fúX 91 GE xn A IIC T4 Gc [device in zone 2] Statement of conformity fúX 91 GE xn A IIC T4 Gc [device in zone 2] fúX 91 GE xn A IIC T4 Gc [device in zone 2] Directive conformity Info-0118 Info-0118 Info-0118 UL approval fuA paproval Info-0118 Info-0118 Control drawing 116-0119 Info-0119 Info-0119 Group carcuid drawi	Construction type		modular terminal housing, see system description
with Ex-aricas Identification Certification Ceritication Certification Certification Certification Ce	Mounting		on 35 mm DIN mounting rail acc. to EN 60715:2001
Group, category, type of protection Skill (1)GD, 1 (M1) [Ex ia Ga] IIC, [Ex ia Ma] 1 (-20 °C ≤ T _{amb} ≤ 60 °C) [circuit(s) in zone 0/1/2] Voltage U _o 8.7 V Current I _o 89 mA Power Po 190 mW Supply 500 V Maximum safe voltage Um 250 V Series resistance min. 98 Ω Permissible connection values [Ex ia] 70 V9 9 ATEX 1484 X, observe statement of conformity Group, category, type of protection, temperature class TÜV 99 ATEX 1484 X, observe statement of conformity Directive conformity FN 60079-0:2012, EN 60079-11:2012, EN 60079-15:2010 International approvals EN 60079-0:2012, EN 60079-15:2010 FM approval 116-0118 Control drawing 116-0139 Control drawing 116-0139 CArbo drawing 116-0139 Control drawing 116-0119 IECEx BAS 09.0142 IECEx BAS 09.0142	••		
VoltageUo8.7 VCurrentIo89 mAPowerPo190 mWSupply90 mWSupply50 VMaximum safe voltageUm250 VSeries resistancemin. 98 ΩPermissible connection values [Ex ia]TÜV 99 ATEX 1484 X, observe statement of conformityGroup, category, type of protectionwill 3G Ex nA IIC T4 Gc (device in zone 2)Directive conformitywill 3G Ex nA IIC T4 Gc (device in zone 2)Directive 94/9/ECEN 60079-0:2012, EN 60079-11:2012, EN 60079-15:2010International approvalsEN 60079-0:2012, EN 60079-11:2012, EN 60079-15:2010International approvals116-0118Control drawing116-0118UL approval116-0118Control drawing116-0119Control drawing116-0119International approvalsEx Ex BAS 09.0142Approved forEx Ex BAS 09.0142Approved forEx Ex Ga JIIC, [Ex ia DaJ IIIC, [Ex ia	EC-Type Examination Certificate		BAS 01 ATEX 7005 , for additional certificates see www.pepperl-fuchs.com
Current Io 89 mA Power Po 190 mW Supply	Group, category, type of protection		$\langle Ex \rangle$ 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]
Power Po 190 mW Supply 250 V Maximum safe voltage Um 250 V Series resistance min. 98 Ω Permissible connection values [EEx ia] TUV 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 94/9/EC EN 60079-0:2012, EN 60079-11:2012, EN 60079-15:2010 International approvals EN 60079-0:2012, EN 60079-15:2010 FM approval 116-0118 Control drawing 116-0118 UL approval 116-0139 CSA approval EECEX BAS 09.0142 Approved for [ECEX BAS 09.0142 Approved for [Ex ia Ga] IIC, [Ex ia Da] IIIC, [Ex ia Ma] I	Voltage	Uo	8.7 V
Supply Image: set	Current	I _o	89 mA
Maximum safe voltageUm250 VSeries resistancemin. 98 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 classSi II 3G Ex nA IIC T4 Gc [device in zone 2]Directive conformityEN 60079-0:2012, EN 60079-11:2012, EN 60079-15:2010International approvalsII6-0019FM approvalII6-0118UL approvalII6-0118Control drawingII6-0139CA approvalII6-0119IECEx approvalII6-0119IECEx approvalIIECEx BAS 09.0142Approved for[Ex ia Ga] IIC, [Ex ia Da] IIIC, [Ex ia Ma] I	Power	Po	190 mW
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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-fuchs.com.	Supplementary information		

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