Assembly

• 2-channel

Features

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

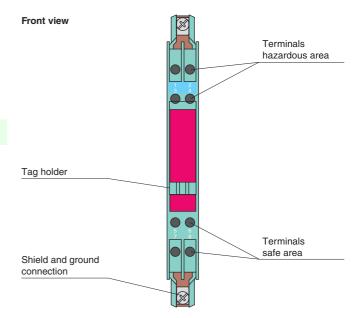
Function

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 positive polarity, i. e. the anodes of the zener diodes are grounded.

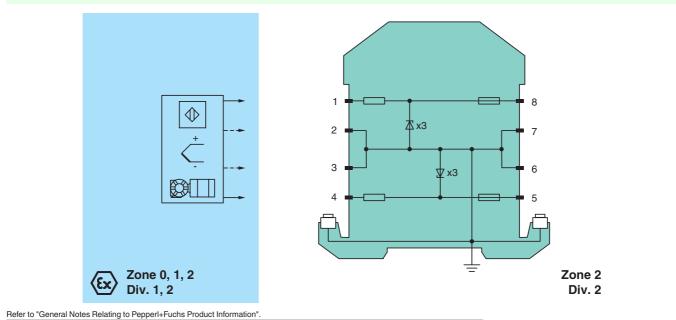
Asymmetrical Zener Barriers are for optimization of applications which have different voltage levels regarding to ground potential.

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



Pepperl+Fuchs Group www.pepperl-fuchs.com pa-in

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| Approximation version yes General specifications Exection, positive polarity Biolic al specifications Herminals 1, 8: 320 Ω: terminals 4, 5: 415 Ω Sorius residuance terminals 1, 8: 320 Ω: terminals 4, 5: 415 Ω Faue rating Sorius residuance Faue rating Sorius residuance Connection terminals 1, 8: 340 Ω Connection terminals 7, 8: 347 Ω Connection terminals 7, 8: 244 V Connection terminals 7, 8: 244 V Variang voltage terminals 7, 8: 244 V Measurement loop terminals 7, 8: 244 V Torments terminals 7, 8: 244 V Degree of protection terminals 7, 8: 244 V Storage of properature 2000 °C (-1104 P/) Storage of properature 2000 °C (-1104 P/) Storage of properature 2000 °C (-1104 P/) Connection max. 276 x, without condensation Degree of protection IP20 Connection sect terminals Connection sect terminals Connection se2000 °C (-1110 P/) | | | |
|--|--|----------------|---|
| Generating specifications Formulate 1, 8: 200; Lemminals 4, 5: 415 Ω Filestrictions terminals 1, 8: 200; Lemminals 4, 5: 415 Ω Softer resistance terminals 1, 8: 200; Lemminals 4, 5: 415 Ω Softer resistance terminals 1, 8: 200; Lemminals 4, 5: 415 Ω Connection terminals 1, 8: 200; Lemminals 4, 5: 415 Ω Softer resistance terminals 1, 8: 200; Lemminals 4, 5: 415 Ω Softer resistance terminals 1, 8: 200; Lemminals 4, 5: 415 Ω Softer resistance terminals 1, 8: 200; Lemminals 2, | Search characteristics | | |
| Type Correstine, positive polariny Electrical seguination Series resistance Series resistance Series resistance Series resistance So mA Heardbus area connection Emmais 1, 8: 340, 0 Stafe area connection Emmais 1, 9: 3, 4 Connection terminals 1, 9: 3, 4 Safe area connection terminals 1, 9: 3, 4 Connection terminals 1, 8: 248 V1 Safe area connection terminals 6, 8: 439 V1 Versing voltage terminals 7, 8: 248 V1 to [JA Supply loop Ele 60629 Digree of protection Ele 60629 Strong et connection Ele 60629 Digree of protection Ele 60629 Strong et connection Ele 60629 Strong et connection Ele 60629 Strong et connection Ele 60629 < | , | | yes |
| Electional positionations International 3, 8: 320 CL: terminals 4, 5: 415 CL Series resistance terminals 1, 8: 320 CL: terminals 4, 5: 437 CL Fuse rating 50 mA Fuse rating 50 mA Connection terminals 1, 8: 320 CL: terminals 4, 5: 437 CL Safe are connection terminals 1, 2: 3, 4 Safe are connection terminals 5, 6: 7, 8 Working voltage terminals 5, 6: 5: 10 VL Supply loop terminals 5, 6: 5: 40 VL Measurement loop terminals 6, 8: 5: 40 VL Degree of protection rescue VCL (1, 1, 10; 10; 10; 10; 10; 10; 10; 10; 10; 10; | General specifications | | |
| Nominal 1.8:20 0: primate 4, 5: 415 Ω Series resistance terminal 4, 5: 430 Ω Fuse rating 50 mA Fuse rating 50 mA Connection terminal 1, 2; 3, 4 Connection terminal 1, 2; 3, 4 Connection terminal 2, 6; 7, 8 Safe are connection terminal 5, 6; 7, 8 Variating voltage terminal 5, 6; 5; 19 V Measurement loop terminal 5, 6; 5; 19 V Measurement loop terminal 5, 6; 5; 19 V Degree of protechin terminal 5, 6; 5; 19 V Degree of protechin terminal 5, 6; 5; 19 V Measurement loop terminal 5, 6; 5; 19 V Degree of protechin terminal 5, 6; 5; 19 V Measurement loop terminal 5, 6; 5; 19 V Measurement loop terminal 5, 6; 5; 19 V Antiper terminal 5, 6; 18 V at 10 µA terminal 5, 6; 19 V Antiper terminal 7, 6; 24 V 0; 1, 100 °F) terminal 7, 6; 24 V 0; 1, 100 °F) Storage terminal 5, 20; 100 °F (1, 110 °F) terminal 1, 25 S, 115 × 110 °F (1, 150 °F) Degree of protechin score terminals Connecion score terminals <td colspan="2">Туре</td> <td>DC version, positive polarity</td> | Туре | | DC version, positive polarity |
| Series resistance terminals 1, 8::340 0 Fuse raing 50mA Hazardous area connection terminals 4, 8::347 0 Connection terminals 5, 8: 7, 8 Supply construction terminals 5, 8: 7, 8 Working voltage terminals 5, 8: 319 Val 10 JA Supply loop terminals 5, 8: 319 Val 10 JA Measurement loop terminals 5, 8: 319 Val 10 JA Contornity terminals 5, 8: 319 Val 10 JA Dargee of protection JEC 60529 Ambient conditions 2570 (C.1.a159 °F) Relative humidity max: 75 %, without condensation Mechanical specifications JE20 (C.1.a159 °F) Relative humidity max: 75 %, without condensation Machan conditions JE20 (C.1.a159 °F) Relative humidity max: 25 S910 (C.1.a150 °F) | Electrical specifications | | |
| Twee rains S0 mA Hear drops area connection S0 mA Connection Imminals 1, 2, 3, 4 Safe area connection Imminals 5, 6, 7, 8 Connection Imminals 5, 6, 7, 8 Vorking voltage Imminals 7, 8, 244 6 V Supply loop Imminals 7, 8, 244 6 V Terminals 7, 8, 244 V val 10 µA Imminals 6, 6, 54 8 V Begree of protection Imminals 7, 8, 244 Val 10 µA Conformity Imminals 5, 6, 54 8 V val 10 µA Degree of protection IEC 00529 Ambient conditions Imminals 5, 6, 54 8 V val 10 µA Storage temperature 2570 °C (14140 °F) Storage temperature 2570 °C (13158 °F) Relative humidity max, 75%, without condursation Mechanical specifications scrow terminals Begree of protection scrow terminals Notarity immax, 25%, without condursation Mechanical specifications scrow terminals Connection scrow terminals Maximy DS 01 ATEX 7005 Marking G0 (11(GD,1 (M1) [Ex ia Ga] IIC, [Ex ia Ma] I (20°C < T _{maxib} 56 0°C) (c | Nominal resistance | | terminals 1, 8: 320 Ω ; terminals 4, 5: 415 Ω |
| Hazardous area connection terminals 1, 2, 3, 4 Safe area connection terminals 5, 6, 7, 8 Connection terminals 5, 6, 7, 8 Working voltage terminals 7, 8, 224 6, V Supply loop terminals 7, 8, 224 6, V Measurement loop terminals 7, 8, 224 4, V Measurement loop terminals 5, 6, <18 V wt 10 µA | Series resistance | | |
| Connection Ierminals 1, 2; 3, 4 Safe area connection Ierminals 5, 6; 7, 8 Connection Ierminals 5, 6; 7, 8 Supply loop Ierminals 7, 8: 24, 6 V Supply loop Ierminals 5, 6; 18 V at 10 µA Measurement loop Ierminals 5, 6: 21 8 V at 10 µA Conformity Ierminals 5, 6: 21 8 V at 10 µA Degree of protection Ierminals 5, 6: 21 8 V at 10 µA Ambient conformito Ierminals 5, 6: 21 8 V at 10 µA Storage torporature -2060 °C (4, 140 °F) Storage torporature -2060 °C (4, 140 °F) Storage torporature -2060 °C (4, 140 °F) Betative humitant torporature -2060 °C (4, 140 °F) Storage torporature -2060 °C (4, 140 °F) Degree of protection Ierx0 Degree of protection Ierx0 Degree of protection Ierx0 Connection modular tornomection Orastruction torpo modular tornomection Dirensitions 1.2 × 115 × 110 mm (5. × 4.5 × 4.3 inch) Construction torpo modular tornomection Dirensin 10 connection | Fuse rating | | 50 mA |
| Safe area connection Internals 5, 6; 7, 8 Connection Herminals 5, 6; 7, 8 Supply loop Iterminals 7, 8: 24, 8 V Measurement loop Iterminals 7, 8: 24, 8 V Measurement loop Iterminals 7, 8: 24, 8 V Degree of protection Iterminals 5, 6: 21 9 V Ambient conditions Iterminals 5, 6: 21 8 V at 10 µA Conformity Iterminals 5, 6: 21 8 V at 10 µA Degree of protection IEC 60529 Ambient conditions 2.5, 0° °C (-13, 158 °F) Relative humidity max. 75 %, without condensation Mechanical specifications IP20 Connection sare 2 × 2, 5, mm² Order cross-section max. 2 × 5, mm² Mass approx. 150 g Dimensions 12,5,5,13,110 mm (0,5, x4,5 x,4,3 inch) Connection sare x × 2,5, mm² Mass approx. 150 g Dimensions 12,5,5,13,110 mm (0,5, x4,5 x,4,3 inch) Contraction searchical structure terminals 1, 2: 25, 0 V sare 2 × 2,5, mm² Maring od3 0 m DIN mounting rai acc: to B0715/2001 Datria prox. 150 g Iterminals 1, 2 | Hazardous area connection | | |
| Connection terminals 5, 6; 7, 8 Working voltage terminals 7, 6: 24, 6 V Supply loop terminals 7, 6: 24, 6 V Measurement loop terminals 5, 6: 119 V Conformity terminals 5, 6: 518 V at 10 µA Degree of protection IEC 60529 Ambient temperature 20, 60 °C (4, 140 °F) Storage temperature 25, 70 °C (13, 158 °F) Delative huminity max. 75 %, without condonsation Messurement loop IP20 Connection serve terminals Orage of protection IP20 Construction tomax serve terminals Orage of protection IP20 Construction type modular terminal housing, see system description Mouning IP20 Norage Construction type BAS 01 ATEX 7005 Mouning IP20 Norage Construction type EW Ny ta Kazindos areas EU-type examination connection IP20 Norage Construction type IP20 Norage Marking IP20 Norage Outing IP20 Norage C | Connection | | terminals 1, 2; 3, 4 |
| Working Imminals 7, 8: 24, 6 V Supply loop terminals 7, 8: 24, 6 V Measurement loop terminals 7, 8: 24 V at 10 µA Terminals 5, 6: 118 V at 10 µA terminals 5, 6: 118 V at 10 µA Conformity EC 60529 Ambient conditions EC 60529 Ambient conditions ax, 75 %, without condensation Mechanical specification B P20 Storage temperature -20 60 °C (-4 140 °F) Storage temperature -25 70 °C (-13 158 °F) Relative humidity max, 75 %, without condensation Mechanical specifications P20 Connection max, 2 × 2 5 mm ² Degree of protection max, 2 × 2 5 mm ² Mass approx. 150 g Dimensions 12 5 × 115 × 110 mm (Dusing, see system description Maxing Max 15 × 110 mm (Dix × 4.5 × 4.3 inch) Contention modular terminals 1, 2: 85 mm DIN mounting rait acc. to 16 or 15:2001 Data for application in connection With hazardoue see as EU-type swamination certificate BAS 01 ATEX 7005 Marking Uo 110(1 (MI) (Ex is Ga) IIG. (Ex is Iab) III (Ga U C S T amb ≤ | Safe area connection | | |
| Supply loop terminals 7, 8:: 224 6 V Measurement loop terminals 5, 8:: 18 V at 10 μA Conformity terminals 5, 8:: 18 V at 10 μA Degree of protection terminals 5, 8:: 18 V at 10 μA Ambient confittors terminals 5, 8:: 18 V at 10 μA Ambient confittors terminals 5, 8:: 18 V at 10 μA Ambient confittors terminals 7, 8:: 224 V at 10 μA Ambient confittors terminals 5, 8:: 18 V at 10 μA Ambient confittors terminals 7, 8:: 75 %, without confit one station Begree of protection terminals 7, 8:: 75 %, without confit one station Begree of protection terminals Degree of protection terminals Connection screw terminals Core cross-section max. 2 x 5.: m ^m Mass approx. 150 g Dimensions 12.5 x 115 x 110 mm (0.5 x 4.5 x 4.3 inch) Construction type modular terminal housing, see system description Masing GS 10 ATEX 7005 Marking GS 10 17 EX 5.6 X; terminals 3, 4: 20.5 V Valage Unit 12: 28 KD; terminals 3, 4: 20.5 V Supoly terminals 1, 2: 25 KD; termin | Connection | | terminals 5, 6; 7, 8 |
| Measurement loop terminals 5, 6: : 19 V Measurement loop terminals 7, 8: : 24 V 10 µA Conformity EC 60529 Ambient emperature Conformity Degree of protection IEC 60529 Ambient emperature - 20 60 °C (-4 140 °F) Storage temperature - 20 60 °C (-4 140 °F) Mechanical specifications IP20 Connection screw terminals Dimensions 12 Sx 115 x 110 run m(5 x 4 5 x 4 3 inch) Connection screw terminals Massing BAS 01 ATEX 7005 Marking So N ATEX 7005 Marking So N So N Power Po Immals 1, 2: 80 run </td <td>Working voltage</td> <td></td> <td></td> | Working voltage | | |
| Imminals 5, 6: ± 18 V at 10 µA Conformity EC 60529 Degree of protection EC 60529 Ambient emperature | Supply loop | | |
| Degree of protection IEC 60529 Ambient enonalitions | Measurement loop | | |
| Ambient conditions 000 °C (-1100 °F) Ambient temperature -2570 °C (-13158 °F) Relative humidity max.75 %, without condensation Mechanical specifications FP2 Degree of protection Serve terminals Concross-section serve terminals Concross-section Serve terminals Construction type Serve terminals Maxing Serve terminals EVExpreserve Serve terminals Serve terminals Serve terminals Valage Serve terminals Valage Serve terminals Valage Serve terminals Serve terminals Serve terminals Valage Servetereminals Valage <td colspan="2">Conformity</td> <td></td> | Conformity | | |
| Ambient temperature -2060 °C (+1140 °F) Storage temperature -2570 °C (+3158 °F) Relative humidity max.75 %, without condensation Mechanical specifications IP20 Connection screw terminals Core cross-section max.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 inch) Construction type modular terminal housing, see system description Mounting or 35 mm DIN mounting rail acc. to EN 60715:2001 Mathing Go 11 (1)GD, 1 (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 ₀ Voltage V Maximu safe voltage U Directive zonformity E | Degree of protection | | IEC 60529 |
| Storage temperature -25 70 °C (·13 158 °F) Relative humidity max. 75 %, without condensation Mechanical specifications inax. 75 %, without condensation Degree of protection IP20 Connection screw terminals Core cross-section approx. 150 g Mass approx. 150 g Dimensions 12.5 x 115 x 110 mm (0.5 x 4.5 x 4.3 inch) Construction type on 35 mm DIN mounting rail acc. to EN 60715:2001 Maxing on 35 mm DIN mounting rail acc. to EN 60715:2001 Battor application in convection § II (1GD, (M1) [Ex ia Ga] IIC, [Ex ia Da] IIC, [Ex ia Ma] I (-20 °C < T _{amb} 5 60 °C) [circuit(s) in zone 0/1/2] Voltage U ₀ terminals 1.2: 26.6 V; terminals 3.4: 25.0 mW Supply cerminals 1.2: 26.6 V; terminals 3.4: 250 mW Supply terminals 1.2: 26.6 V; terminals 3.4: 250 mW Supply terminals 1.2: 26.0 V; terminals 3.4: 250 mW Supply terminals 1.2: 26.0 V; terminals 3.4: 250 mW Supply terminals 1.2: 26.0 V; terminals 3.4: 250 mW Supply terminals 1.2: 26.0 V; terminals 3.4: 250 mW Supply terminals 1.2: 26.0 V; terminals 3.4: 260 mW <tr< td=""><td colspan="2">· ·</td><td></td></tr<> | · · | | |
| Storage temperature -25 70 °C (·13 158 °F) Relative humidity max. 75 %, without condensation Mechanical specifications inax. 75 %, without condensation Degree of protection IP20 Connection screw terminals Core cross-section approx. 150 g Mass approx. 150 g Dimensions 12.5 x 115 x 110 mm (0.5 x 4.5 x 4.3 inch) Construction type on 35 mm DIN mounting rail acc. to EN 60715:2001 Maxing on 35 mm DIN mounting rail acc. to EN 60715:2001 Battor application in convection § II (1GD, (M1) [Ex ia Ga] IIC, [Ex ia Da] IIC, [Ex ia Ma] I (-20 °C < T _{amb} 5 60 °C) [circuit(s) in zone 0/1/2] Voltage U ₀ terminals 1.2: 26.6 V; terminals 3.4: 25.0 mW Supply cerminals 1.2: 26.6 V; terminals 3.4: 250 mW Supply terminals 1.2: 26.6 V; terminals 3.4: 250 mW Supply terminals 1.2: 26.0 V; terminals 3.4: 250 mW Supply terminals 1.2: 26.0 V; terminals 3.4: 250 mW Supply terminals 1.2: 26.0 V; terminals 3.4: 250 mW Supply terminals 1.2: 26.0 V; terminals 3.4: 250 mW Supply terminals 1.2: 26.0 V; terminals 3.4: 260 mW <tr< td=""><td colspan="2">Ambient temperature</td><td>-20 60 °C (-4 140 °F)</td></tr<> | Ambient temperature | | -20 60 °C (-4 140 °F) |
| Relative humidity max. 75 %, without condensation Mechanical specifications IP20 Degree of protection IP20 Connection screw terminals Core cross-section max. 2x 25 mm ² Mass approx. 150 g Dimensions 12.5 x 115 x 110 mm (0.5 x 4.5 x 4.3 inch) Construction type modular terminal housing , see system description Mounting o35 mm DIN mounting rule acc. to EN 60715:2001 Data for application in connection with hazardous areas BAS 01 ATEX 7005 BAS 01 ATEX 7005 EAS 01 ATEX 7005 Marking (⑤) II (1/10c). II (M1) [Ex ia Ga] IIC, [Ex ia Ma] I (-20 °C ≤ T _{amb} ≤ 60 °C) (circuit(s) in zone 0/1/2] Voltage U₀ terminals 1, 2: 26 nA; terminals 3, 4: 20,5 V Current l₀ II (1/0c). II (M1) [Ex ia Ga] IIC, [Ex ia Ma] I (-20 °C ≤ T _{amb} ≤ 60 °C) (circuit(s) in zone 0/1/2] Voltage U₀ terminals 1, 2: 26 nA; terminals 3, 4: 20,5 V Series resistance TÚV 99 ATEX 1484 X Marking (ố) II 3G Ex nA IIC T4 Gc [device in zone 2] Directive conformity Directive 2014/34/EU EN 60079-0:2012+A11:2013, EN 60079-11:2012, EN 60079-15:2010 | Storage temperature | | -25 70 °C (-13 158 °F) |
| Degree of protection IP20 Connection screw terminals Core cross-section max. 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 inch) 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 hazardous areas BAS 01 ATEX 7005 EU-type examination certificate BAS 01 ATEX 7005 Marking Gi) 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 terminals 1, 2: 26.6 V; terminals 3, 4: 20.5 V Current I _o terminals 1, 2: 560 mW; terminals 3, 4: 200 mW Supply terminals 1, 2: min. 314 Ω; terminals 3, 4: 200 mW Supply terminals 1, 2: min. 314 Ω; terminals 3, 4: 200 mW Supply terminals 1, 2: min. 314 Ω; terminals 3, 4: 200 mW Supply terminals 1, 2: min. 314 Ω; terminals 3, 4: 200 mW Supple terminals 1, 2: min. 314 Ω; terminals 3, 4: 200 mW Permissible connection values [Ex ia] terminals 1, 2: min. 314 Ω; terminals 3, 4: 200 mW | · · | | max. 75 %, without condensation |
| Connection screw terminals Core cross-section max. 2×2.5 mm ² Mass approx. 150 g Dimensions 12.5 x 113 x 110 rm (0.5 x 4.5 x 4.3 inch) 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 BAS 01 ATEX 7005 With hazardous areas BAS 01 ATEX 7005 Marking €3 (I (1)GD, I (M1) [Ex ia Ga] IIC, [Ex ia Da] IIIC, [Ex ia Ma] I (-20 °C ≤ T _{amb} ≤ 60 °C) [circut(s) in zone 0/1/2] Voltage U _o EU-type examination certificate BAS 01 ATEX 7005 Marking €3 (I (1)GD, I (M1) [Ex ia Ga] IIC, [Ex ia Da] IIIC, [Ex ia Ma] I (-20 °C ≤ T _{amb} ≤ 60 °C) [circut(s) in zone 0/1/2] Voltage U _o Current I _o Power P _o Power P _o Supply Eterminals 1, 2: 85 mA; terminals 3, 4: 205 W Supply Eterminals 1, 2: 85 mA; terminals 3, 4: 206 mW Supply Eterminals 1, 2: 85 mA; terminals 3, 4: 206 mW Supply Eterminals 1, 2: 85 mA; terminals 3, 4: 206 mW Supply Eterminals 1, 2: min. 314 Ω; terminals 3, 4: min. 407 Ω Permissible connection values [EEx ia] TÚV 99 ATEX 1484 X Marking É) II 3G Ex nA IIIC T4 Gc [device in zone 2] | Mechanical specifications | | |
| Core cross-section max.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 inch) 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 BAS 01 ATEX 7005 EU-type examination certificate BAS 01 ATEX 7005 Marking Go 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 Current I _o I terminals 1, 2: 85 mA; terminals 3, 4: 260 rW Supply terminals 1, 2: 560 vI terminals 3, 4: 260 rW Supply zes 0 V Series resistance terminals 1, 2: rmin. 314 Ω; terminals 3, 4: 260 rW Series resistance terminals 1, 2: rmin. 314 Ω; terminals 3, 4: min. 407 Ω Permissible connection values [EX ia] TUV 99 ATEX 1484 X Marking Go II 136-0118 Directive conformity EN 60079-0:2012+A11:2013 , EN 60079-11:2012 , EN 60079-15:2010 International approval 116-01139 (cULus) Control drawing 116-01139 (cULus) | - | | IP20 |
| Mass approx. 150 g Dimensions 12.5 x 115 x 110 mm (0.5 x 4.5 x 4.3 inch) 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 hazardous areas BAS 01 ATEX 7005 Bury examination certificate BAS 01 ATEX 7005 Marking | • . | | screw terminals |
| Dimensions 12.5 × 115 × 110 mm (0.5 × 4.5 × 4.3 inch) 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 hazardous areas BAS 01 ATEX 7005 EU-type examination certificate BAS 01 ATEX 7005 Marking (a) (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 U ₀ Current I ₀ Power P ₀ terminals 1, 2: 26.6 V; terminals 3, 4: 260 mW Supply Environals 1, 2: 560 mW; terminals 3, 4: 260 mW Supply Environals 1, 2: 560 mW; terminals 3, 4: 260 mW Supply Environals 1, 2: 70 m, 314 Ω; terminals 3, 4: 260 mW Supply Environals 1, 2: 70 m, 314 Ω; terminals 3, 4: 260 mW Marking (b) II 3G Ex nA IIC T4 Gc [device in zone 2] Directive conformity EN 60079-0:2012+A11:2013 , EN 60079-11:2012 , EN 60079-15:2010 International approval I16-0118 Control drawing 116-0118 (ULus) ILCEX BAS 09.0142 IECEX BAS 09.0142 IECEX BAS 09.0142 IECEX BAS 09.0142 IECEX BAS 09.0142 I | | | max. 2 x 2.5 mm ² |
| Dimensions 12.5 x 110 xm (0.5 x 4.5 x 4.3 inch) 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 hazardous areas BAS 01 ATEX 7005 EU-type examination certificate BAS 01 ATEX 7005 Marking €> 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 terminals 1, 2: 26.6 V; terminals 3, 4: 250 mA Power P₀ terminals 1, 2: 55 mÅ; terminals 3, 4: 260 mW Supply E Maxinum safe voltage Um Series resistance TÜV 99 ATEX 1484 X Marking €> II 3G Ex nA IIC T4 Gc [device in zone 2] Directive conformity EN 60079-0:2012+A11:2013, EN 60079-11:2012, EN 60079-15:2010 International approval I16-0118 Control drawing I16-0118 ILC approval <td>Mass</td> <td></td> <td>approx. 150 g</td> | Mass | | approx. 150 g |
| 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 Second State Stat | | | |
| Mounting on 35 mm DIN mounting rail acc. to EN 60715:2001 Data for application in connection with hazardous areas BAS 01 ATEX 7005 EU-type examination certificate BAS 01 ATEX 7005 Marking (a) II (1) (D, 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 ₀ terminals 1, 2: 26.6 V; terminals 3, 4: 20.5 V Current I ₀ terminals 1, 2: 560 mW; terminals 3, 4: 50 mA Power P ₀ terminals 1, 2: 560 mW; terminals 3, 4: 200 mW Supply 250 V terminals 1, 2: min. 314 Ω; terminals 3, 4: 200 mW Supply Eminals 1, 2: min. 314 Ω; terminals 3, 4: min. 407 Ω Eminals 1, 2: min. 314 Ω; terminals 3, 4: min. 407 Ω Permissible connection values [EEx ia] TÚV 99 ATEX 1484 X Marking Will 113 GE x nA IIC T4 Gc [device in zone 2] Directive conformity Directive 2014/34/EU EN 60079-0:2012+A11:2013, EN 60079-11:2012, EN 60079-15:2010 International approval I16-0118 ECEX approval ECEX BAS 09.0142 Control drawing I16-0139 (cULus) ECEX BAS 09.0142 ECEX BAS 09.0142 IECEX approval ECEX BAS 09.0142 ECEX BAS 09.0142 ECEX BAS 09.0142 <td>Construction type</td> <td></td> <td></td> | Construction type | | |
| Data for application in connection with hazardous areas BAS 01 ATEX 7005 EU-type examination certificate BAS 01 ATEX 7005 Marking (a) II (1) (D, I, (M1) [Ex ia Ga] IIC, [Ex ia Da] IIIC, [Ex ia Ma] I (-20 °C ≤ T _{amb} ≤ 60 °C) [circuit(s) in zone 01/2] Voltage U _o Current I _o Power P _o terminals 1, 2: 85 mA; terminals 3, 4: 50 mA Power P _o Supply 250 V Series resistance terminals 1, 2: min. 314 Ω; terminals 3, 4: 260 mW Permissible connection values [EEx ia] TÜV 99 ATEX 1484 X Certificate TÜV 99 ATEX 1484 X Marking (a) II G Ex nA IIC T4 Gc [device in zone 2] Directive 2014/34/EU EN 60079-0:2012+A11:2013, EN 60079-11:2012, EN 60079-15:2010 International approval 116-0118 UL approval 116-0139 (cULus) IECEX approval IECEX BAS 09.0142 Control drawing 116-0139 (cULus) IECEX approval [Ex ia Ga] IIC, [Ex ia Ma] I ECEX BAS 09.0142 Control drawing IECEX BAS 09.0142 IECEX BAS 09.0142 IECEX BAS 09.0142 IECEX BAS 09.0142< | •• | | |
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| Power Po terminals 1, 2: 560 mW; terminals 3, 4: 260 mW Supply | Voltage | Uo | terminals 1, 2: 26.6 V; terminals 3, 4: 20.5 V |
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