# Dimensions



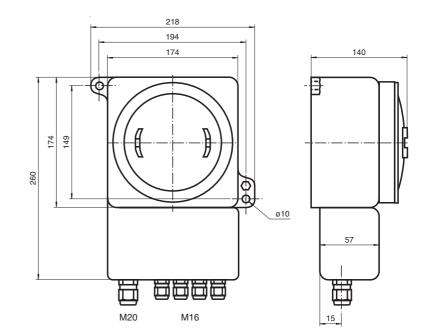
- 4 intrinsically safe power supply channels
- Intrinsically safe outputs: Ex ib IIC
- Installation in the Ex-area: Ex de [ib] IIC T4
- Contained in an explosion-protected, pressure-tight encapsulated housing (Ex d) with external connection terminals for increased safety (Ex e) in a separate terminal compartment
- Device installation in Zone 1, Zone 2, or Zone 22

#### Function

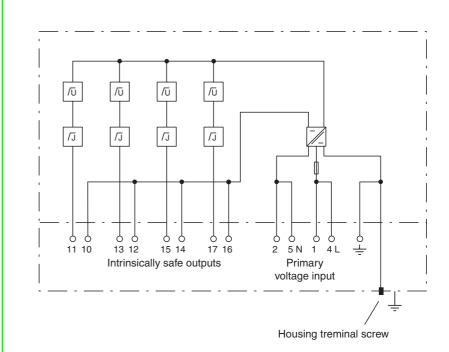
This power supply unit can be installed directly in hazardous areas. It has four (4) intrinsically safe output channels. The power supply unit is kept in an explosion-protected, flameproof encapsulated housing. For increased safety, the external connections are kept in a separate terminal box for the following connections:

- 1. Primary voltage input
- 2. Intrinsically safe power supply outputs

The input and output voltage are galvanically separated from each other. The outputs have no galvanic separation from each other.



## Connection



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Subject to reasonable modifications due to technical advances.

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# **Technical data**

ConnectionHand vilageHand vilageFaser visas21 VAPower consumption23 VACPower consumption23 VAConnectionHerminals 1.e, 12+, 14+, 16+, 11-, 13-, 15+, 17-Connection8.79.3 VDCPower8.79.3 VDCPowerNot 78.1997Explaine protectionExplaine protectionDirective 2006/95/ECEx Bo078-0.2006, Ex Bo079-1.2007, Ex Bo079-11:2007PowerExt 80078-11:2007PowerExt 80078-11:2007Protection degreeEx Bo078-11:2007Protection degreeSo078-11:2007Protection degreeSo078-11:2007Protection degreeSo078-11:2007Protection	Supply	
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procine         8.5 W per channel           Directive conformity         F           Directive conformationity         F           Directive 2004/108/CC         EN 61726-12:006           Directive 2008/95/CC         EN 60178-11:907           Directive 2008/95/CC         EN 60178-11:907           Directive 2008/95/CC         EN 60079-0: 2006, EN 60079-1: 2007, EN 60079-1: 2007           Directive 2008/95/CC         EN 60079-0: 2006, EN 60079-1: 2007, EN 60079-1: 2007           Contormity         EN 60073-11:2007           Insulation coordination         EN 60073-11:2007           Electrical isolation         S 30           Contormity         EN 60073-11:2007           Electrical isolation         S 30           Contractions         S 30           Contractions         S 30           Contractions         S 30           Contractions         S 20, NC ( 4158 °F) <t< td=""><td></td><td></td></t<>		
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Conformity         EN 50178           Insulation coordination         EN 50178           Electrical isolation         EN 50079-11:2007           Protection degree         IEC 60529           Standard conformity         EN 60079-11:2007           Electrical isolation         EN 60079-11:2007           Electronagnetic compatibility         NE 21:2006           Ambient conditions         Si3           Classification         3K3           Ambient temperature         -2070 °C (4158 °F)           Storage temperature         -2070 °C (4212 °F)           Relative humidity         95 % non-condensing           Storage temperature         -2070 °C (4212 °F)           Voltation resistance         1 10050 Hz according to IEC 60068-2-6           Daragning gas         acc. to ISA-S71.04-1985, severity level G3           Mechanical specifications         -25.mm <sup>2</sup> Core cross-section         <2.5 mm <sup>2</sup> Protection degree         IP65           Mas         5360 g           Mounting         parel mounting           Tightening forque of clamping serve         0.4 Nm           Storage temperature according to IEC 60068-2-6         according to IEC 60068-2-6           Mas         5360 g     <	Explosion protection	
Insulation         EN 50178           Electrical isolation         EN 60079-11:2007           Protection digree         IEC 60529           Standard conformity         EN 60079-11:2007           Electrical isolation         EN 60079-11:2007           Electronagree/isolation         EN 60079-11:2007           Ambient conditions         EN 60079-11:2007           Classification         3K3           Ambient temperature         -2070 °C (4 158 °F)           Storage temperature         -2070 °C (4 158 °F)           Master humidity         Sp 60 105 °C 4 158 °F)           Moration resistance         15 g peak11 m sproid           Vibraign resistance         2 g. 10 500 H2 according to IEC 60068-2-6           Daraging gas         acc. to ISA-S71.0.4.1985, severity level G3           Moetanical specifications         2 g. 5 m²           Protection diperature         9 So 0.2           Group, type of rottede         <	Directive 94/9/EC	EN 60079-0: 2006, EN 60079-1: 2007, EN 60079-7: 2007, EN 60079-11: 2007
Electrical isolation         EN 80079-11:2007           Protection degree         IEC 60529           Electrical isolation         EN 60079-11:2007           Electrical isolation         EN 60079-11:2007           Electrical isolation         EN 60079-11:2007           Classification         8X3           Amblent conditions         20 70 °C (4 158 °F)           Classification         9X3           Amblent conditions         20 100 °C (4 212 °F)           Relative humidity         95 % non-condensing           Shock resistance         15 g paek, 11 ms period           Vibration resistance         2 g, 10 500 Hz according to IEC 60068-2-6           Damaging gas         acc. to ISA-571.04-1985, severity level G3           Mechanical specifications         E           Core cross-section         5 2.5 mm <sup>2</sup> Protection degree         IP65           Mass         5360 g           Mouting         panel mounting           panel mounting         panel mounting           Core cross-section         40 Nm           EC-Type Examination Certificate         DMT 02 ATEX E 237 X, for additional certificates see www.pepperl-fuchs.com           Group, category, type of protection         Su 233 V AC           Supply	Conformity	
Protection degree         IEC 60529           Standar conformity         EN 60079-11:2007           Electrical isolation         NE 21:2006           Ambient conditions         Standar 2000 (-2000) (-2000	Insulation coordination	EN 50178
Standard conformity         Indexted solution         End configuration           Electroal solution         NE 21:2006           Ambient conditions         NE 21:2006           Ambient condition         SK3           Ambient condition         20 70 °C (-4 158 °F)           Storage temperature         - 20 100 °C (-4 212 °F)           Relative humidity         95 % non-condensing           Shock resistance         15 gpaek, 11 ms period           Vibration resistance         2 g, 10 500 Hz according to IEC 60068-2-6           Damaging gas         cos. to ISA-S71.04-1985, severity level G3           Mechanical specificators         ferminals           Connection type         Ferminals           Connection type         Ierminals           Rass         S360 g           Mass         S360 g           Supply         Si 2 S X AC           Supply         Si 2 S X AC           Maximum safu valtage         Si 2 S X AC           Supply         Si 2 S X AC           Vidage         Ung         Si 3 S X C           Current l <sub>0</sub>	Electrical isolation	EN 60079-11:2007
Electrical isolation         EN 60079-11:2007           Electromagnetic compatibility         VE06           Ambient compatibility         SIG           Classification         SIG           Classification         SIG           Classification         SIG           Storage temperature         -2070 °C (4158 °F)           Storage temperature         95 % non-condensing           Storage temperature         55 % non-condensing           Yobration resistance         15 g peak, 11 ms period           Voltration resistance         2 g, 10SOV face, Co068-2-6           Damaging ga         ac. to ISA-S71.04.1985, severity level G3           Connection type         2 set, 11 ms period           Connection tyge         1 reminals           Connection degree         1 reminals           Connection degree         1 Pe65           Mounting         panel mounting           Mounting         panel mounting           Mounting         panel mounting           Group, chargony, type of protection         Gui 10 Co ATEX E 237 X, for additional certificates see www.peperf-fuchs.com           Group, chargony, type of protection         Su 23 V AC           Supply         S Si SA VAC           Voltape         Up         9.5 V	Protection degree	IEC 60529
Electromagnetic compatibility     NE 21:2006       Ambient conditions     SK3       Classification     3K3       Ambient temperature     -2070 °C (4158 °F)       Storage temperature     -2010 °C (4212 °F)       Relative humidity     95 % non-condensing       Shock resistance     15 g peak, 11 m spridd       Vibration resistance     2 g, 10500 Hz according to IEC 60068-2-6       Damaging gas     according to IEC 60068-2-6       Damaging gas     connection type       Connection type     Terminals       Connection type     severity level G3       Mechanical specifications     Si360 g       Mass     Si360 g       Mounting     panel mounting       Tightening torque of clamping screes     Si360 g       Mustification in connection     file 2 E 237 X, for additional certificates see www.pepperl-fuchs.com       Group, category, type of protection     Gil 12 E Ext de (Ib) IIC       Temperature class     T4       Supply     85253 V AC       Output     Si 3 V AC       Output     1 A       Power     Po     9.5 V       Current     Io     1 A       Power     Po     9.5 W       Declaration of conformity     F1 IO ECT 151 8 X       Group, category, type of protectota	Standard conformity	
Ambient conditions         Km           Classification         3K3           Ambient temperature         -2010° C (-4158 °F)           Storage temperature         -2010° C (-4212 °F)           Relative humidity         95 % non-condensing           Shock resistance         15 g peak, 11 ms period           Vibration resistance         2 g , 10500 Hz according to IEC 60068-2-6           Damaging gas         acc. to ISA-S71.04-1985, severity level G3           Mechanical specifications            Connection type         Terminals           Connection degree         IP65           Mass         S360 g           Mounting         panel mounting           Tightening torque of clamping screws         0.4 Nm           Data or application in connection         Sin 253 V AC           Supply         85	Electrical isolation	EN 60079-11:2007
Classification     3K3       Ambient temperature     2070 °C (4158 °F).       Storage temperature     -20100 °C (4212 °F).       Relative humidity     95 % non-condensing       Shock resistance     15 g pack, 11 ms period       Vibration resistance     2 g , 10500 Hz according to IEC 60068-2-6       Damaging gg as     cac. to ISA-S71.04-1985, severity level G3       Mechanical specifications     2 S. mm <sup>2</sup> Connection type     Terminals       Core cross-section     S2.5 mm <sup>2</sup> Protection degree     IP65       Mass     5360 g       Mounting     panel mounting       Outputo of clamping screws     0.4 Nm       Data for application in connection with Ex-areas     DMT 02 ATEX E 237 X, for additional certificates see www.pepperl-fuchs.com       Group, category, type of protection     Sin 253 V AC       Output     Sin 253 V AC       Output     Sin 353 V AC       Output     PF 10 CERT 1518 X       Group, category, type of protection, temperature classification     PF 10 CERT 1518 X       Output/Output     Sin 354 For 30°C       Maximum safe voltage Un     9.5 V       Current In     N       Power     Po       9.5 W     Sin 254 To9°C       Declaration of contormity     F1 10 S2 To9°C       <	Electromagnetic compatibility	NE 21:2006
Ambient temperature       -20 70 °C (4 128 °F)         Storage temperature       -20 100 °C (4 212 °F)         Relative humidity       95 % non-condensing         Shock resistance       15 g peak, 1 ms period         Vibration resistance       2 g , 10 500 Hz according to IEC 60068-2-6         Damaging gas       acc. to ISA-S71.04-1985, severity level G3         Mechanical specifications       2 c.5 mm <sup>2</sup> Cornection type       Terminals         Cornection degree       IP65         Mass       5360 g         Mounting       panel mounting         Yibpe into certificate       0.4 Nm         Data for application in connection with Ex-areas       DMT 02 ATEX E 237 X, for additional certificates see www.pepperl-fuchs.com         Group, category, type of protection Temperature class       0.4 Nm         Supply       85 253 V AC         Voltage       U <sub>0</sub> Voltage       U <sub>0</sub> Voltage       U <sub>0</sub> Power       P <sub>0</sub> Power       P <sub>0</sub> Supply       55 W         Declaration of conformity       FP 10 CERT 1518 X         Group, category, type of protection, femperature classification       Si I 30 Ex ti D A22 IP54 T90°C         Electricial isola	Ambient conditions	
Storage temperature     -20 100 °C (4 212 °F)       Relative humidity     95 % non-condensing       Shock resistance     15 g peak, 11 ms period       Vibration resistance     2 g, 10 500 Hz according to IEC 60068-2-6       Damaging gas     acc. to ISA-S71.04-1985, severity level G3       Mechanical specifications     Errimals       Connection type     Terminals       Core cross-section     ≤ 2.5 mm <sup>2</sup> Protection degree     IP65       Mass     5360 g       Mounting     panel mounting       Tightening torque of clamping screws     0.4 Nm       Data for application in connection with Ex-ares     DMT 02 ATEX E 237 X, for additional certificates see www.pepperl-fuchs.com       Group, category, type of protection     § 5 253 V AC       Supply     85 253 V AC       Voltage     U <sub>0</sub> Voltage     U <sub>0</sub> Voltage     U <sub>0</sub> Voltage     0.5 V       Current     I <sub>0</sub> No CERT 1518 X     Group, category, type of protection, temperature classification       Prover     P <sub>0</sub> Power     P <sub>0</sub> 9.5 W       Declaration of conformity     Si NV       Declaration of conformity     Gi II 3D Ex ID A22 IP54 T90°C       Electrical isolation     Gi electrical isolation acc. to EN 600	Classification	ЗКЗ
Relative humildity     95 % non-condensing       Shock resistance     15 g peak, 11 ms period       Vibration resistance     2 g, 10 500 Hz according to IEC 60068-2-6       Damaging gas     acc. to ISA-S71.04-1985, severity level G3       Mechanical specifications     reminals       Connection type     reminals       Connection type     S60 g       Protection degre     IP65       Mass     S360 g       Mounting     panel mounting       Tightening torque of clamping screws     0.4 Nm       Data for application in connection type     MOU 2 ATEX E 237 X, for additional certificates see www.pepperl-fuchs.com       Group, category, type of protection     T4       Supply     85 253 V AC       Supply     85 253 V AC       Natimum safe volag     9.5 V       Quitput     9.5 V       Voltage     Up       Voltage     Up       Sover     Po       Sover     Po       Sover     Po       Protection foronformity     PF 10 CERT 1518 X       Group, category, type of protection, for protection, fremperature classification     Si AD E 21 DA22 IP54 T90°C       Declaration of conformity     Si AD E 21 DA22 IP54 T90°C       Electrical isolation     Si Ae electrical isolation acc. to EN 60079-11: 2007, voltage peak value 375 V	Ambient temperature	-20 70 °C (-4 158 °F)
Shock resistance       15 g peak, 11 ms period         Vibration resistance       2 g , 10 500 Hz according to IEC 60068-2-6         Damaging gas       acc. to ISA-S71.04-1985, severity level G3         Mechanical specifications       Terminals         Connection type       Terminals         Core cross-section       ≤ 2.5 mm <sup>2</sup> Protection degree       IP65         Mass       5360 g         Mounting       panel mounting         Tightening torque of clamping screws       0.4 Nm         Data for application in connection with Ex-areas       DMT 02 ATEX E 237 X, for additional certificates see www.pepperl-fuchs.com         Group, category, type of protection       Gi II 2G Ex de [ib] IIC         Tamperature class       DMT 02 ATEX E 237 X, for additional certificates see www.pepperl-fuchs.com         Voltage       Uo       253 V AC         Supply       Si I 2G Ex de [ib] IIC       Termination         Voltage       Uo       9.5 V         Current       Io       9.5 V         Current       Io       1.4         Power       Po       9.5 W         Declaration of conformity       PF 10 CERT 1518 X         Group, category, type of protection, temperature classification       Gi II 3D Ex ID A22 IP54 T90°C	Storage temperature	-20 100 °C (-4 212 °F)
Vibration resistance         2 g , 10 500 Hz according to IEC 60068-2-6           Damaging gas         acc. to ISA-S71.04-1985, severity level G3           Mechanical specifications         Terminals           Connection type         Terminals           Core cross-section         52.5 mm <sup>2</sup> Protection degree         IP65           Mass         5360 g           Mounting         panel mounting           Tightening torque of clamping screws         0.4 Nm           Data for application in connection with Exareas         DMT 02 ATEX E 237 X, for additional certificates see www.pepperl-fuchs.com           FC-Type Examination Certificate         DMT 02 ATEX E 237 X, for additional certificates see www.pepperl-fuchs.com           Group, category, type of protection frequence classification         Ta           Supply         Supply         Sup X AC           Votage         U <sub>0</sub> 9.5 V           Current         I <sub>0</sub> 1.4           Power         P <sub>0</sub> 9.5 W           Declaration of conformity         PF 10 CERT 1518 X           Group, category, type of protection, temperature classification         Group, category, type of protection, temperature classification           Power         P <sub>0</sub> 9.5 W         Sup K           Declaration of conformity	Relative humidity	95 % non-condensing
Damaging gas       acc. to ISA-S71.04-1985, severity level G3         Mechanical specifications       Forminals         Connection type       ≤ 2.5 mm <sup>2</sup> Protection degree       IP65         Mass       S360 g         Mounting       panel mounting         Tightening torque of clamping screws       0.4 Nm         Data for application in connection with Ex-areas       DMT 02 ATEX E 237 X, for additional certificates see www.pepperl-fuchs.com         Group, category, type of protection Temperature class       DMT 02 ATEX E 237 X, for additional certificates see www.pepperl-fuchs.com         Supply       S53 V AC         Supply       S5 V AC         Output       9.5 V         Current       I <sub>0</sub> Power       Po         9.5 W       PF 10 CERT 1518 X         Group, category, type of protection, temperature classification       Si J D Ex tD A22 IP54 T90°C         Declaration of conformity       PF 10 CERT 1518 X         Group, category, type of protection, temperature classification       Si J D Ex tD A22 IP54 T90°C         Electrical isolation       Si e electrical isolation acc. to EN 60079-11: 2007, voltage peak value 375 V         Output/Owtprev supply       Safe electrical isolation acc. to EN 60079-11: 2007, voltage peak value 375 V <td>Shock resistance</td> <td>15 g peak, 11 ms period</td>	Shock resistance	15 g peak, 11 ms period
Mechanical specifications         Terminals           Connection type         Terminals           Core cross-section         ≤ 2.5 mm <sup>2</sup> Protection degree         IP65           Mass         5360 g           Mounting         panel mounting           Tightening torque of clamping screws         0.4 Nm           Data for application in connection with Exareas         DMT 02 ATEX E 237 X, for additional certificates see www.pepperl-fuchs.com           Group, category, type of protection         Termination Certificate           Group, category, type of protection         Termination Certificate           Supply         85 253 V AC           Supply         85 253 V AC           Outgut         1A           Power         Po           9.5 W         9.5 W           Declaration of conformity         PF 10 CERT 1518 X           Group, category, type of protection, temperature classification         Si II 3D Ex tD A22 IP54 T90°C           Electricial isolation         Si II 3D Ex tD A22 IP54 T90°C	Vibration resistance	2 g , 10 500 Hz according to IEC 60068-2-6
Mechanical specifications         reminals           Connection type         Terminals           Core cross-section         ≤ 2.5 mm <sup>2</sup> Protection degree         1965           Mass         5360 g           Mounting         panel mounting           Tightening torque of clamping screws         0.4 Nm           Data for application in connection with Ex-areas         DMT 02 ATEX E 237 X, for additional certificates see www.pepperl-fuchs.com           Group, category, type of protection         EO Type Examination Certificate           JDMT 02 ATEX E 237 X, for additional certificates see www.pepperl-fuchs.com         EC Type Examination Certificate           Group, category, type of protection         ES II 2G Ex de [ib] IIC           Temperature class         T4           Supply         85 253 V AC           Output         253 V AC           Output         1A           Power         Po           9.5 V         Current           Current         1A           Power         Po           9.5 W         Ectartical isolation of conformity           PF 10 CERT 1518 X           Group, category, type of protection, temperature classification           Forup category, type of protection, temperature classification	Damaging gas	acc. to ISA-S71.04-1985, severity level G3
Connection type       Terminals         Core cross-section $\leq 2.5  mn^2$ Protection degree       IP65         Mass       5360 g         Mounting       panel mounting         Tightening torque of clamping screws       0.4 Nm         Data for application in connection with Ex-areas       DMT 02 ATEX E 237 X, for additional certificates see www.pepperl-fuchs.com         Group, category, type of protection       Gw II 2G Ex de [ib] IIC         Temperature class       T4         Supply       85 253 V AC         Output       9.5 V         Current       0         I A         Power       Po         9.5 W         Declaration of conformity       PF 10 CERT 1518 X         Group, category, type of protection, temperature classification       Gw II 3D Ex tD A22 IP54 T90°C         Declaration of conformity       PF 10 CERT 1518 X         Group, category, type of protection, temperature classification       Side electrical isolation acc. to EN 60079-11: 2007, voltage peak value 375 V		
Core cross-section       ≤ 2.5 mm²         Protection degree       IP65         Mass       5360 g         Mounting       panel mounting         Tightening torque of clamping screws       0.4 Nm         Data for application in connection with Exareas       DMT 02 ATEX E 237 X, for additional certificates see www.pepperl-fuchs.com         EC-Type Examination Certificate       DMT 02 ATEX E 237 X, for additional certificates see www.pepperl-fuchs.com         Group, category, type of protection       T4         Supply       53 V AC         Maximum safe voltage       Uo         Voltage       Uo         Voltage       0, 5 V         Current       Io         Power       Po         9.5 W       St NAC         Declaration of conformity       PF 10 CERT 1518 X         Group, category, type of protection, temperature classification       Si II 3D Ex tD A22 IP54 T90°C         Electrical isolation       Safe electrical isolation acc. to EN 60079-11: 2007, voltage peak value 375 V	-	Terminals
Protection degree         IP65           Mass         5360 g           Mounting         panel mounting           Tightening torque of clamping screws         0.4 Nm           Data for application in comptions         0.4 Nm           EC-Type Examination Certificate         DMT 02 ATEX E 237 X, for additional certificates see www.pepperl-fuchs.com           Group, category, type of protection         field is a certificate see www.pepperl-fuchs.com           Maximum safe voltage Um         253 V AC           Supply         X         X           Voltage         Um         9.5 V           Current         Ing         1.A           Power         Po         9.5 W           Declaration of conformity         Pf 10 CERT 1518 X           Group, category, type of protection, temperature classification         field 13 D Ex tD A22 IP54 T90°C           Electrical isolation         safe electrical isolation acc. to EN 60079-11: 2007, voltage peak value 375 V           Output/power supply         safe electrical isolation acc. to EN 60079-11: 2007, voltage peak value 375 V </td <td>•••</td> <td><math>\leq 2.5 \text{ mm}^2</math></td>	•••	$\leq 2.5 \text{ mm}^2$
Mass       5360 g         Mounting       panel mounting         Tightening torque of clamping screws       0.4 Nm         Data for application in connection with Ex-areas       DMT 02 ATEX E 237 X, for additional certificates see www.pepperl-fuchs.com         EC-Type Examination Certificate       DMT 02 ATEX E 237 X, for additional certificates see www.pepperl-fuchs.com         Group, category, type of protection       Ta         Supply       85 253 V AC         Maximum safe voltage Um       253 V AC         Output       253 V AC         Output       9.5 V         Current       Io       1 A         Power       Po       9.5 W         Declaration of conformity       PF 10 CERT 1518 X         Group, category, type of protection, temperature classification       Sige 11 3D Ex tD A22 IP54 T90°C         Electrical isolation       safe electrical isolation acc. to EN 60079-11: 2007, voltage peak value 375 V	Protection degree	
Mounting       panel mounting         Tightening torque of clamping screws       0.4 Nm         Data for application in connection with Ex-areas       OMT 02 ATEX E 237 X , for additional certificates see www.pepperl-fuchs.com         EC-Type Examination Certificate       DMT 02 ATEX E 237 X , for additional certificates see www.pepperl-fuchs.com         Group, category, type of protection		
Tightening torque of clamping screws       0.4 Nm         Data for application in connection with Ex-areas       DMT 02 ATEX E 237 X , for additional certificates see www.pepperl-fuchs.com         EC-Type Examination Certificate       DMT 02 ATEX E 237 X , for additional certificates see www.pepperl-fuchs.com         Group, category, type of protection       ES II 2G Ex de [ib] IIC         Temperature class       T4         Supply       85 253 V AC         Maximum safe voltage Um       253 V AC         Output       253 V AC         Voltage       Uo       9.5 V         Current       Io       1 A         Power       Po       9.5 W         Declaration of conformity       PF 10 CERT 1518 X         Group, category, type of protection, temperature classification       Eilectrical isolation         Electrical isolation       safe electrical isolation acc. to EN 60079-11: 2007, voltage peak value 375 V         Output/Output       no electrical isolation		-
Data for application in connection with Ex-areas       DMT 02 ATEX E 237 X, for additional certificates see www.pepperl-fuchs.com         EC-Type Examination Certificate       DMT 02 ATEX E 237 X, for additional certificates see www.pepperl-fuchs.com         Group, category, type of protection       I 2G Ex de [ib] IIC         Temperature class       T4         Supply       85 253 V AC         Maximum safe voltage Um       253 V AC         Output       9.5 V         Current       Io         1 A       9.5 V         Current       Io         9.5 W       9.5 W         Declaration of conformity       PF 10 CERT 1518 X         Group, category, type of protection, temperature classification       Ii 3D Ex tD A22 IP54 T90°C         Electrical isolation       safe electrical isolation acc. to EN 60079-11: 2007, voltage peak value 375 V         Output/Output       no electrical isolation		
with Ex-areas         Current         DMT 02 ATEX E 237 X, for additional certificates see www.pepperl-fuchs.com           Group, category, type of protection         for 02 ATEX E 237 X, for additional certificates see www.pepperl-fuchs.com           Group, category, type of protection         for 02 ATEX E 237 X, for additional certificates see www.pepperl-fuchs.com           Temperature class         T4           Supply         85 253 V AC           Maximum safe voltage Um         253 V AC           Output         253 V AC           Voltage         Uo           Voltage         Uo           9.5 V         5 253 V AC           Current         Io           1 A         1 250 V AC           Declaration of conformity         9.5 V           Group, category, type of protection, temperature classification         1 4           Group, category, type of protection, temperature classification         for 10 4 4 4 4 4 4 4		
Group, category, type of protection       Image: Category, type of protection       Image: Category, type of protection         Temperature class       T4         Supply       85 253 V AC         Maximum safe voltage Um       253 V AC         Output       253 V AC         Voltage       Uo       9.5 V         Current       Io       1 A         Power       Po       9.5 W         Declaration of conformity       PF 10 CERT 1518 X         Group, category, type of protection, temperature classification       Image: Simple of the s		
Temperature class       T4         Supply       85 253 V AC         Maximum safe voltage Um       253 V AC         Output       253 V AC         Voltage       Uo         Voltage       Uo         1 A         Power       Po         9.5 W         Declaration of conformity       PF 10 CERT 1518 X         Group, category, type of protection, temperature classification       fi 3D Ex tD A22 IP54 T90°C         Electrical isolation       safe electrical isolation acc. to EN 60079-11: 2007, voltage peak value 375 V         Output/Output       no electrical isolation	EC-Type Examination Certificate	DMT 02 ATEX E 237 X , for additional certificates see www.pepperl-fuchs.com
Temperature class       T4         Supply       85 253 V AC         Maximum safe voltage Um       253 V AC         Output       253 V AC         Voltage       Uo         Voltage       Uo         1 A         Power       Po         9.5 W         Declaration of conformity       PF 10 CERT 1518 X         Group, category, type of protection, temperature classification       fi 3D Ex tD A22 IP54 T90°C         Electrical isolation       safe electrical isolation acc. to EN 60079-11: 2007, voltage peak value 375 V         Output/Output       no electrical isolation	••	🐼 II 2G Ex de [ib] IIC
Maximum safe voltage Um       253 V AC         Output       9.5 V         Voltage       Uo       9.5 V         Current       Io       1 A         Power       Po       9.5 W         Declaration of conformity       PF 10 CERT 1518 X         Group, category, type of protection, temperature classification       FP 10 CERT 1518 X         Electrical isolation       €N II 3D Ex tD A22 IP54 T90°C         Output/power supply       safe electrical isolation acc. to EN 60079-11: 2007, voltage peak value 375 V         Output/Output       no electrical isolation		
Maximum safe voltage Um       253 V AC         Output       9.5 V         Voltage       Uo       9.5 V         Current       Io       1 A         Power       Po       9.5 W         Declaration of conformity       PF 10 CERT 1518 X         Group, category, type of protection, temperature classification       FP 10 CERT 1518 X         Electrical isolation       €N II 3D Ex tD A22 IP54 T90°C         Output/power supply       safe electrical isolation acc. to EN 60079-11: 2007, voltage peak value 375 V         Output/Output       no electrical isolation		
Output       Image       Uo       9.5 V         Current       Io       1 A         Power       Po       9.5 W         Declaration of conformity       PF 10 CERT 1518 X         Group, category, type of protection, temperature classification       Si II 3D Ex tD A22 IP54 T90°C         Electrical isolation       -         Output/power suply       safe electrical isolation acc. to EN 60079-11: 2007, voltage peak value 375 V         Output/Output       no electrical isolation		
Voltage       U₀       9.5 V         Current       I₀       1 A         Power       P₀       9.5 W         Declaration of conformity       PF 10 CERT 1518 X         Group, category, type of protection, temperature classification       I 3D Ex tD A22 IP54 T90°C         Electrical isolation       -         Output/power supply       safe electrical isolation acc. to EN 60079-11: 2007, voltage peak value 375 V         Output/Output       no electrical isolation		
Current       Io       1 A         Power       Po       9.5 W         Declaration of conformity       PF 10 CERT 1518 X         Group, category, type of protection, temperature classification       Si II 3D Ex tD A22 IP54 T90°C         Electrical isolation       Safe electrical isolation acc. to EN 60079-11: 2007, voltage peak value 375 V         Output/Output       no electrical isolation	•	9.5 V
Power     Power     Power       Power     Power     Power       Power     Power     Power       Declaration of conformity     PF 10 CERT 1518 X       Group, category, type of protection, temperature classification     Image: Section 2000 Certain 2000 Cert		1 A
Declaration of conformity     PF 10 CERT 1518 X       Group, category, type of protection, temperature classification     I 3D Ex tD A22 IP54 T90°C       Electrical isolation     safe electrical isolation acc. to EN 60079-11: 2007, voltage peak value 375 V       Output/Output     no electrical isolation		
Group, category, type of protection, temperature classification       II 3D Ex tD A22 IP54 T90°C         Electrical isolation       Safe electrical isolation acc. to EN 60079-11: 2007, voltage peak value 375 V         Output/Output       no electrical isolation		PF 10 CERT 1518 X
Electrical isolation         Output/power supply       safe electrical isolation acc. to EN 60079-11: 2007, voltage peak value 375 V         Output/Output       no electrical isolation	Group, category, type of protection,	
Output/power supplysafe electrical isolation acc. to EN 60079-11: 2007, voltage peak value 375 VOutput/Outputno electrical isolation	•	
Output/Output no electrical isolation		safe electrical isolation acc. to EN 60079-11: 2007, voltage peak value 375 V
General information	General information	
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.		Conformity and instructions have to be observed where applicable. For information see www.pepperl-

# Notes

### Ex e input:

The PE conductor of the cable must **not** be connected with the terminals or housing of the power stage. The potential equalisation lead **must** be connected with the housing.

The Ex e input has an M20 screwed connection and can receive cables from 6 mm to 12 mm in diameter. The Ex e terminals receive cables of max. 1 x 2.5 mm<sup>2</sup> or 2 x 1 mm<sup>2</sup>.

# Ex i output (9 V DC):

The Ex i outputs have M16 screwed connections and are suitable for cables of from 4 mm to 8 mm in diameter.

#### Maximum cable length:

- 3.5 m (1.5 mm<sup>2</sup>)
- 5.9 m (2.5 mm<sup>2</sup>)