



Explosion protection

Ex e and Ex d



Ex e „increased safety“
Ex t „protection by enclosure“



Ex eb / Ex tb

UNI Ex Dicht

Type of protection EN 60529

IP 66, IP 68 up to 10 bar

Equipment group/category

II 2 G/D

Applicable in

Zone 1, zone 2, zones 21 and 22

ATEX approval

PTB 14 ATEX 1011X xx CE 0102

Standards

EN IEC 60079-0:2018

EN IEC 60079-7:2015 + A1:2018

EN 60079-31:2014

Connection thread types and lengths

Metric and Pg – standard and long,
NPT on request

Operating temperature range

TPE -20 °C up to +60 °C



Ex eb / Ex tb

UNI Ex Clamping Dicht

Type of protection EN 60529

IP 66, IP 68 up to 10 bar

Equipment group/category

II 2 G/D

Applicable in

Zone 1, zone 2, zones 21 and 22

ATEX approval

PTB 14 ATEX 1012 xx CE 0102

Standards

EN IEC 60079-0:2018

EN IEC 60079-7:2015 + A1:2018

EN 60079-31:2014

Connection thread types and lengths

Metric and Pg – standard and long,
NPT on request

Operating temperature range

TPE -20 °C up to +60 °C



Ex eb / Ex tb

blueglobe Ex

Type of protection EN 60529

IP 66, IP 68 up to 10 bar

Equipment group/category

II 2 G/D

Applicable in

Zone 1, zone 2, zones 21 and 22

ATEX approval

PTB 06 ATEX 1036X xx CE 0102

Standards

EN IEC 60079-0:2018

EN 60079-7:2015 + A1:2018

EN 60079-31:2014

Connection thread types and lengths

Metric – standard and long

Operating temperature range

TPE -20 °C up to +60 °C



Ex eb / Ex ta

blueglobe HT Ex

Type of protection EN 60529

IP 66, IP 68 up to 10 bar

Equipment group/category

II 2 G/D

Applicable in

Zone 1, zone 2, zones 21 and 22

ATEX Zulassung

PTB 11 ATEX 1007X xx CE 0102

Normen

EN IEC 60079-0:2018

EN 60079-7:2015 + A1:2018

EN 60079-31:2014

Connection thread types and lengths

Metric – standard and long

Operating temperature range

Silicone -55 °C up to +160 °C



Ex eb / Ex tb

UNI Ex Dicht Silicone

Type of protection EN 60529

IP 66, IP 68 up to 10 bar, 30 min.

Equipment group/category

II 2 G/D

Applicable in

Zone 1, zone 2, zones 20, 21 and 22

ATEX approval

PTB 15 ATEX 1001X xx CE 0102

Standards

EN IEC 60079-0:2018, EN 60079-7:2015 +

A1:2018, EN 60079-31:2014

Connection thread types and lengths

Metric and Pg – standard and long,

NPT on request

Operating temperature range

Silicone -55 °C bis +160 °C (round cable + multiple)

Silicone -55 °C bis +180 °C (flat cable)



Ex eb / Ex tb

Ex adapters, reductions, blind plugs

Type of protection EN 60529

IP 68 up to 10 bar

Equipment group/category

II 2 G/D

Applicable in

Zone 1, zone 2, zones 21 and 22

ATEX approval

PTB 09 ATEX 1002 xx CE 0102

Standards

EN IEC 60079-0:2018

EN 60079-7:2015 + A1:2018

EN 60079-31:2014

Connection thread types and lengths

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Operating temperature range

Silicone -60 °C up to +180 °C



Ex d „flameproof enclosure“
Ex e „increased safety“ | Ex t „protection by enclosure“



Ex db / Ex eb / Ex ta

LevelEx

Type of protection EN 60529

IP 66, IP 68 up to 10 bar

Equipment group/category

II 2 G/ 1D

Applicable in

Zone 1, zone 2, zones 20, 21 and 22

ATEX approval

PTB 18 ATEX 1001X xx CE 0102

Standards

EN IEC 60079-0:2018, EN 60079-1:2014
EN 60079-7:2015 + A1:2018, EN 60079-31:2014

Connection thread types and lengths

Metric – standard, NPT

Operating temperature range

Silicone -60 °C up to +130 °C



Ex db / Ex eb / Ex ta

LevelEx TRI

Type of protection EN 60529

IP 66, IP 68 up to 10 bar

Equipment group/category

II 2 G/ 1D

Applicable in

Zone 1, zone 2, zones 20, 21 and 22

ATEX approval

PTB 18 ATEX 1001X CE 0102

Standards

EN IEC 60079-0:2018, EN 60079-1:2014
EN 60079-7:2015 + A1:2018
EN IEC 60079-15:2019, EN 60079-31:2014

Connection thread types and lengths

Metric – standard, NPT

Operating temperature range

Silicone -60 °C up to +130 °C



Ex db / Ex eb / Ex ta

LevelEx AC

Type of protection EN 60529

IP 66, IP 68 up to 10 bar

Equipment group/category

II 2 G/ 1D

Applicable in

Zone 1, zone 2, zones 20, 21 and 22

ATEX approval

PTB 18 ATEX 1001X CE 0102

Standards

EN IEC 60079-0:2018, EN 60079-1:2014
EN 60079-7:2015 + A1:2018, EN 60079-31:2014

Connection thread types and lengths

Metric – standard, NPT

Operating temperature range

Silicone -60 °C up to +130 °C



Ex db / Ex eb / Ex ta

Ex EMC adapter, blind plug

Type of protection EN 60529

IP 66, IP 68 up to 10 bar

Equipment group/category

II 2 G/D

Applicable in

Zone 1, zone 2, zones 20, 21 and 22

ATEX approval

PTB 19 ATEX 1010 xx CE 0102

Standards

EN IEC 60079-0:2018, EN 60079-1:2014
EN 60079-7:2015 + A1:2018, EN 60079-31:2014

Connection thread types and lengths

Metric and Pg – standard and long, NPT on request

Operating temperature range

Silicone -60 °C up to +130 °C



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