



Explosion protection

Ex e and Ex d



Ex e "increased safety"
Ex t "protection by enclosure"



Ex eb / Ex ta

blueglobe PC HT Ex e

Type of protection EN 60529
IP 66, IP 68 up to 10 bar, 60 min.

Equipment group/category
II 2 G/II 1D

Applicable in
Zone 1, zone 2, zone 20, 21 and 22

ATEX approval
IBExU 24 ATEX 1050X xx C 0637

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

Connection thread types and lengths
Metric – standard and long

Operating temperature range
Silicone –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 C 0637

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 C 0637

Standards
EN IEC 60079-0:2018
EN IEC 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

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 C 0637

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 C 0637

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 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 C 0637

Standards
EN IEC 60079-0:2018 + AC:2020
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
Silicone –55 °C up to +160 °C (round cable + multiple)
Silicone –55 °C up to +180 °C (flat cable)



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

IBExU 24 ATEX 1064X xx C 0637

Standards

EN IEC 60079-0:2018, EN 60079-1:2014
EN IEC 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

IBExU 24 ATEX 1064X C 0637

Standards

EN IEC 60079-0:2018, EN 60079-1:2014
EN IEC 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

IBExU 24 ATEX 1064X C 0637

Standards

EN IEC 60079-0:2018, EN 60079-1:2014
EN IEC 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



Accessories

Ex d "flameproof enclosure"



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 C 0637

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

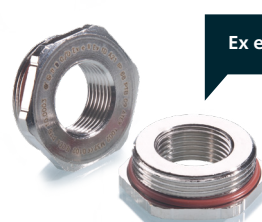
Metric and Pg – standard and long, NPT on request

Operating temperature range

Silicone –60 °C up to +130 °C



Ex e "increased safety"



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 C 0637

Standards

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

Operating temperature range

Silicone –60 °C up to +180 °C



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