Zündschutzart Ex ia (Eigensicher)

Eigensicherheit (Ex ia), ist eine der sichersten und zugleich effizientesten Schutzarten im Bereich der elektrischen Betriebsmittel. Bei eigensicheren Stromkreisen handelt es sich um elektrische Schaltungen, deren Energieinhalt so stark begrenzt ist, dass auch bei einem Fehler – wie Kurzschluss oder Unterbrechung – keine Zündung der umgebenden explosionsfähigen Atmosphäre erfolgen kann. Die Begrenzung erfolgt durch spezielle Zener-Barrieren oder galvanische Trenner im Steuerstromkreis, typischerweise in Verbindung mit einer eigensicheren Steuerung.
Unsere Ex ia-Endschalterboxen sind so konzipiert, dass sämtliche Komponenten den Anforderungen eigensicherer Stromkreise entsprechen. Dabei werden ausschließlich zertifizierte Schalter und Komponenten mit nachgewiesener Eigensicherheit eingesetzt.

Geeignet für:
Zone 1, Zone 2, Zone 21, Zone 22
II 2G Ex ia IIC/IIB T6/T4 Gb
II 2D Ex ia IIIC T80°C/T110°C Db

Protection type Ex ia (Intrinsic safety)

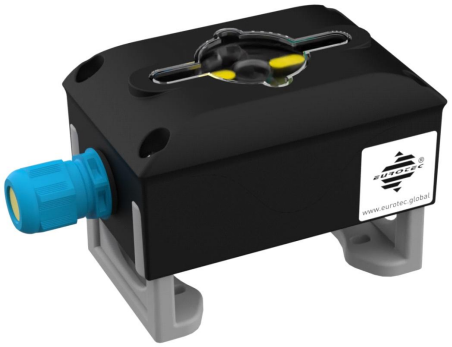
Intrinsic safety (Ex ia) is one of the safest and most efficient types of protection for electrical equipment. Intrinsically safe circuits are electrical systems in which the energy is so strictly limited that, even in the event of a fault—such as a short circuit or disconnection—no ignition of the surrounding explosive atmosphere can occur. This energy limitation is achieved through the use of specialized Zener barriers or galvanic isolators in the control circuit, typically in combination with an intrinsically safe control system.

Our Ex ia limit switch boxes are designed so that all components fully comply with the requirements of intrinsically safe circuits. Only certified switches and components with proven intrinsic safety are used throughout the system.

Suitable for:
Zone 1, Zone 2, Zone 21, Zone 22
II 2G Ex ia IIC/IIB T6/T4 Gb
II 2D Ex ia IIIC T80°C/T110°C Db

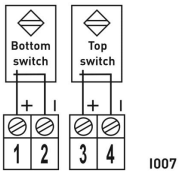
Endschalterbox, wave, Vestamid, 2x induktiv V3, NAMUR NC

Limit switch box, wave, Vestamid, 2x proximity V3, 2-wire



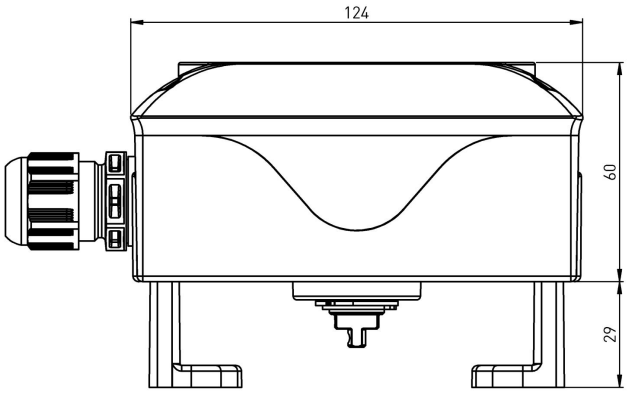
Artikelnummer Part number	**EVP2I01-IA**
Endschaltertyp Switch type	P+F, NJ2-V3-N
Spannung/Strom Voltage/Current	8,2V DC, <=1mA ON, >=3mA OFF
IP-Schutz IP protection	IP66/IP67
SIL Level SIL level	SIL 1-3
Umgebungstemperatur Ambient temperature	-25...+70°C
Gehäuse Material Housing material	Vestamid, Grilamid, EPDM, NBR
Anschlüsse Connections	1x M20x1,5
Ex Bescheinigung Ex document	IBExU 11 ATEX 1154 IECEx IBE 13.0042
Kennzeichnung Marking	II 2G Ex ia IIC T6 Gb II 2D Ex ia IIIC T80°C Db
Eigensicherheit Intrinsic Safety	Ui: 16V Ii: 25mA Pi: 34mW Ci: 40nF Li: 50µH
Ex Zone Ex zone	Zone 1, 21

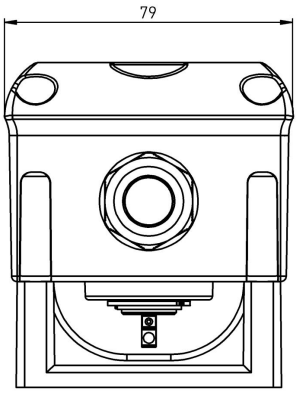
Klemmplan Wiring diagram





MaßzeichnungDimensions





Enthaltenes Zubehör Included Accessories

Besonderheiten Extras

- Polyamid-Montagebrücke 80x30x20mm (PA mit 30% Glasfaser)

- Polyamide mounting bracket 80x30x20mm (PA with 30% fiber glass)

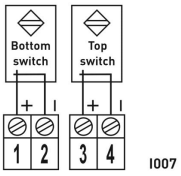
Endschalterbox, wave, Vestamid, 2x induktiv V3, NAMUR NC

Limit switch box, wave, Vestamid, 2x proximity V3, NAMUR NC



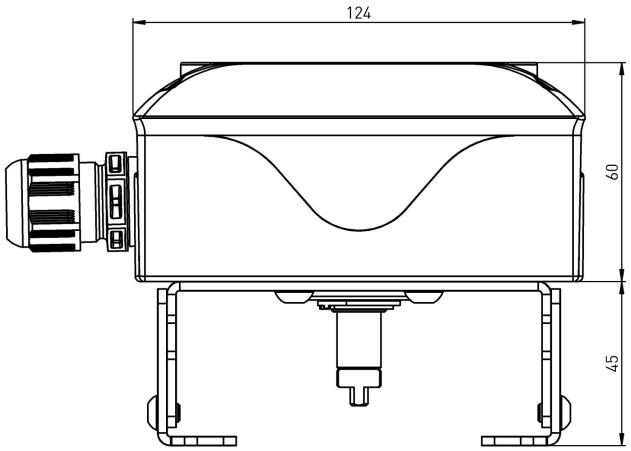
Artikelnummer Part number	**EVE2I01-IA**
Endschaltertyp Switch type	P+F, NJ2-V3-N
Spannung/Strom Voltage/Current	8,2V DC, <=1mA ON, >=3mA OFF
IP-Schutz IP protection	IP66/IP67
SIL Level SIL level	SIL 1-3
Umgebungstemperatur Ambient temperature	-25...+70°C
Gehäuse Material Housing material	Vestamid, Grilamid, EPDM, NBR
Anschlüsse Connections	1x M20x1,5
Ex Bescheinigung Ex document	IBExU 11 ATEX 1154 IECEx IBE 13.0042
Kennzeichnung Marking	II 2G Ex ia IIC T6 Gb II 2D Ex ia IIIC T80°C Db
Eigensicherheit Intrinsic Safety	Ui: 16V Ii: 25mA Pi: 34mW Ci: 40nF Li: 50µH
Ex Zone Ex zone	Zone 1, 21

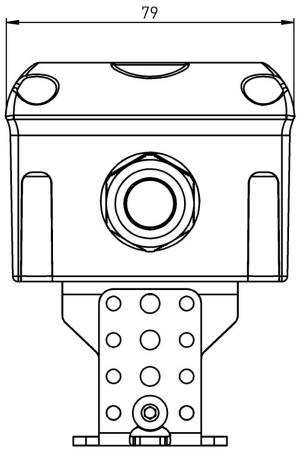
Klemmplan Wiring diagram





MaßzeichnungDimensions





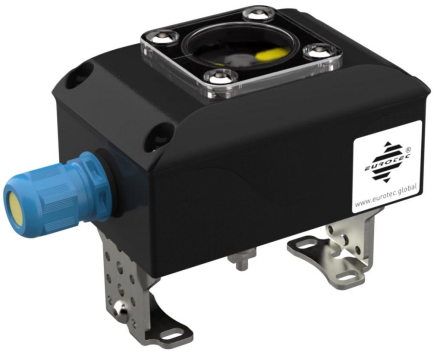
Enthaltenes Zubehör Included Accessories

-MBH01 **Edelstahl-Montagebrücke, verstellbar, 80x30x20mm (1.4301)**
Stainless steel bracket, adjustable, 80x30x20mm (AISI 304)

Besonderheiten Extras

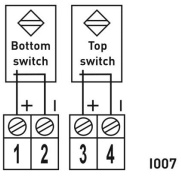
Endschalterbox, wave, Aluminium, 2x induktiv V3, NAMUR NC

Limit switch box, wave, Aluminum, 2x proximity V3, NAMUR NC



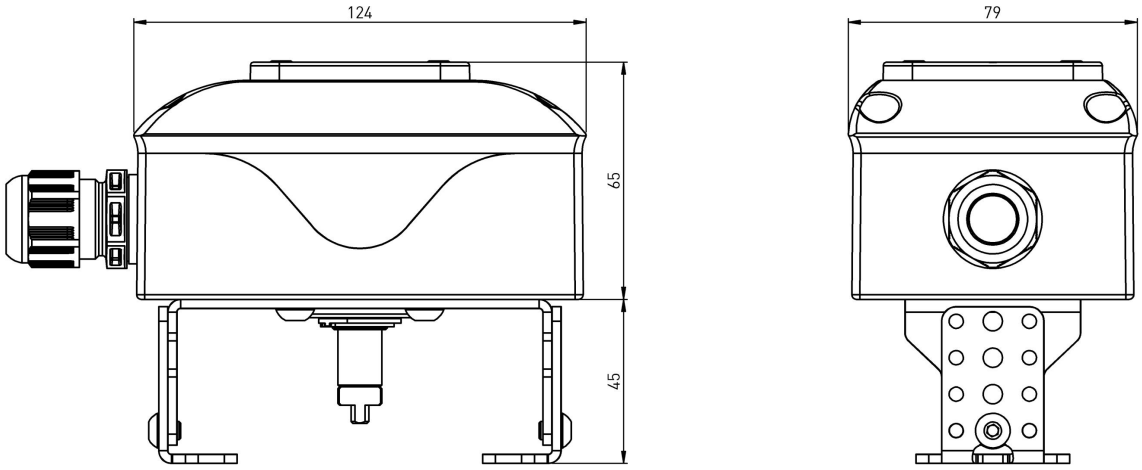
Artikelnummer Part number	**EAE2I01-IA**
Endschaltertyp Switch type	P+F, NJ2-V3-N
Spannung/Strom Voltage/Current	8,2V DC, <=1mA ON, >=3mA OFF
IP-Schutz IP protection	IP66/IP67
SIL Level SIL level	SIL 1-3
Umgebungstemperatur Ambient temperature	-25...+70°C
Gehäuse Material Housing material	Aluminium, PC, EPDM, NBR
Anschlüsse Connections	1x M20x1,5
Ex Bescheinigung Ex document	IBExU 11 ATEX 1154 IECEx IBE 13.0042
Kennzeichnung Marking	II 2G Ex ia IIC T6 Gb II 2D Ex ia IIIC T80°C Db
Eigensicherheit Intrinsic Safety	Ui: 16V Ii: 25mA Pi: 34mW Ci: 40nF Li: 50µH
Ex Zone Ex zone	Zone 1, 21

Klemmplan Wiring diagram





MaßzeichnungDimensions



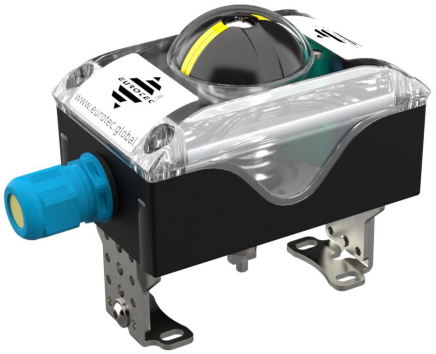
Enthaltenes Zubehör Included Accessories

-MBH01 **Edelstahl-Montagebrücke, verstellbar, 80x30x20mm (1.4301)**
Stainless steel bracket, adjustable, 80x30x20mm (AISI 304)

Besonderheiten Extras

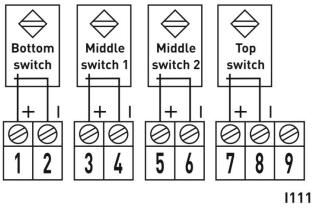
Endschalterbox, wave, Vestamid, 4x induktiv V3, NAMUR NC

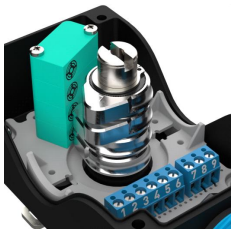
Limit switch box, wave, Vestamid, 4x proximity V3, NAMUR NC



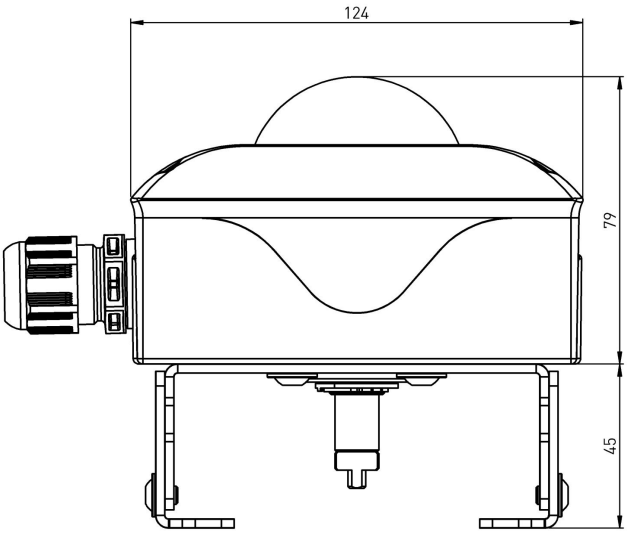
Artikelnummer Part number	**EVE4I01-IA-3D**
Endschaltertyp Switch type	P+F, NJ2-V3-N
Spannung/Strom Voltage/Current	8,2V DC, <=1mA ON, >=3mA OFF
IP-Schutz IP protection	IP66/IP67
SIL Level SIL level	SIL 1-3
Umgebungstemperatur Ambient temperature	-25...+70°C
Gehäuse Material Housing material	Vestamid, PC, EPDM, NBR
Anschlüsse Connections	1x M20x1,5
Ex Bescheinigung Ex document	IBExU 11 ATEX 1154 IECEx IBE 13.0042
Kennzeichnung Marking	II 2G Ex ia IIB T6 Gb II 2D Ex ia IIIC T80°C Db
Eigensicherheit Intrinsic Safety	Ui: 16V Ii: 25mA Pi: 34mW Ci: 40nF Li: 50µH
Ex Zone Ex zone	Zone 1, 21

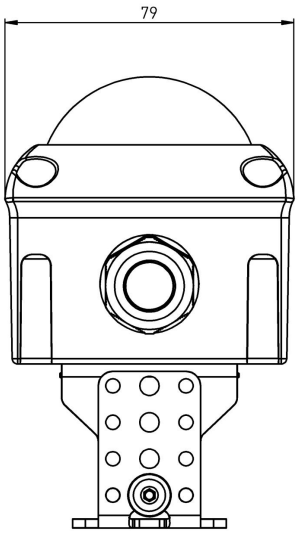
Klemmplan Wiring diagram





MaßzeichnungDimensions





Enthaltenes Zubehör Included Accessories

-MBH01	**Edelstahl-Montagebrücke, verstellbar, 80x30x20mm (1.4301)** Stainless steel bracket, adjustable, 80x30x20mm (AISI 304)

Besonderheiten Extras

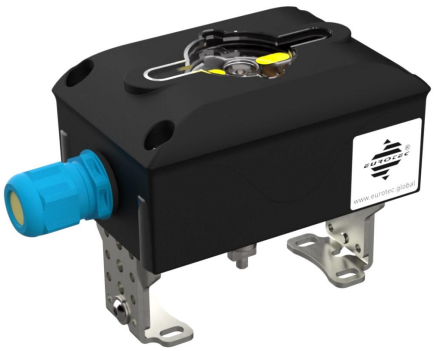
- 3D-Anzeige
- Betätiger voreingestellt auf: 2x AUF / 2x ZU
(Stellung nachträglich beliebig einstellbar)
- Klemme: 9-polig, blau

- 3D indicator
- Cams pre-set on: 2x OPEN / 2x CLOSED
(subsequently adjustable to any position)
- Terminal block: 9-pole, blue

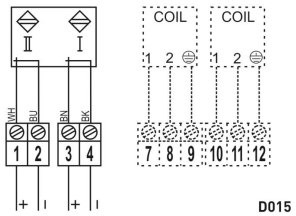
Endschalterbox, wave, Vestamid, 1x Doppelsensor, 2x NAMUR NC

Limit switch box, wave, Vestamid, 1x dual sensor, 2x NAMUR NC

Artikelnummer Part number	**EVE1D01-67-IA**
Endschaltertyp Switch type	IFM, NN5009
Spannung/Strom Voltage/Current	8,2V DC, <1mA ON, >2,1mA OFF
IP-Schutz IP protection	IP66/IP67
SIL Level SIL level	SIL 1-3
Umgebungstemperatur Ambient temperature	-25...+70°C
Gehäuse Material Housing material	Vestamid, Grilamid, EPDM, NBR
Anschlüsse Connections	1x M20x1,5
Ex Bescheinigung Ex document	IBExU 11 ATEX 1154 IECEx IBE 13.0042
Kennzeichnung Marking	II 2G Ex ia IIC T6 Gb II 2D Ex ia IIIC T80°C Db
Eigensicherheit Intrinsic Safety	Ui: 15V Ii: 50mA Pi: 120mW Ci: 140nF Li: 130µH
Ex Zone Ex zone	Zone 1, 21

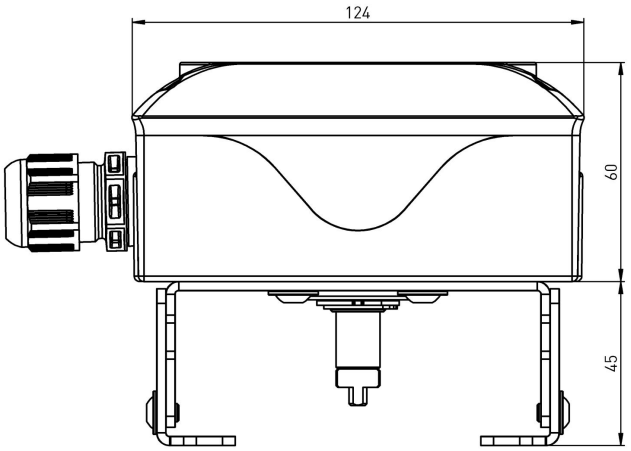


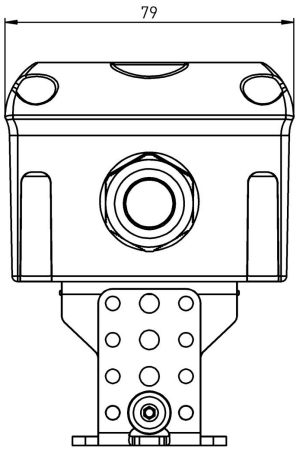
Klemmplan Wiring diagram





MaßzeichnungDimensions





Enthaltenes Zubehör Included Accessories

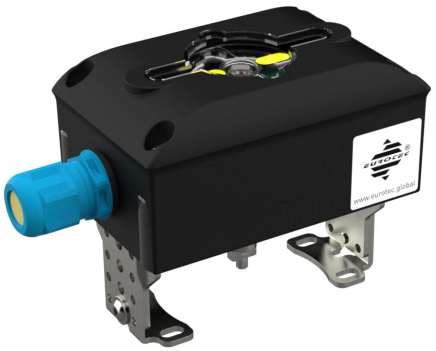
Besonderheiten Extras

-MBH01	**Edelstahl-Montagebrücke, verstellbar, 80x30x20mm (1.4301)** Stainless steel bracket, adjustable, 80x30x20mm (AISI 304)

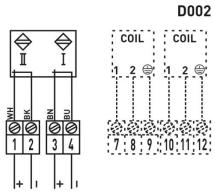
Endschalterbox, wave, Vestamid, 1x Doppelsensor, 2x NAMUR NC

Limit switch box, wave, Vestamid, 1x dual sensor, 2x NAMUR NC

Artikelnummer Part number	**EVE1D01-295-IA**
Endschaltertyp Switch type	P+F, NCN3-F25-N4-0,14
Spannung/Strom Voltage/Current	8,2V DC, <=1mA ON, >=3mA OFF
IP-Schutz IP protection	IP66/IP67
SIL Level SIL level	SIL 1-3
Umgebungstemperatur Ambient temperature	-25...+70°C
Gehäuse Material Housing material	Vestamid, Grilamid, EPDM, NBR
Anschlüsse Connections	1x M20x1,5
Ex Bescheinigung Ex document	IBExU 11 ATEX 1154 IECEx IBE 13.0042
Kennzeichnung Marking	II 2G Ex ia IIC T6 Gb II 2D Ex ia IIIC T80°C Db
Eigensicherheit Intrinsic Safety	Ui: 15V Ii: 25mA Pi: 34mW Ci: 100nF Li: 100µH
Ex Zone Ex zone	Zone 1, 21

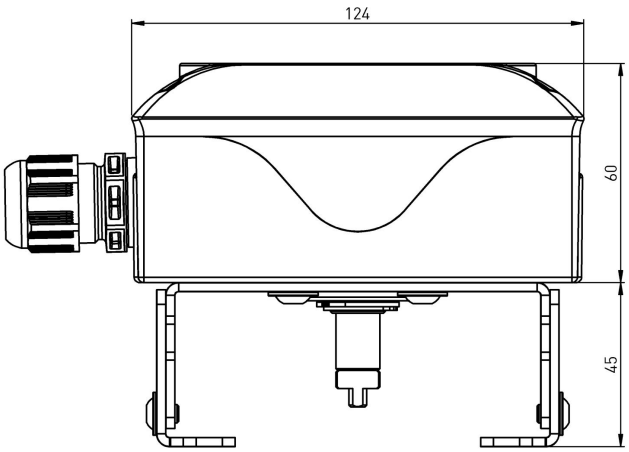


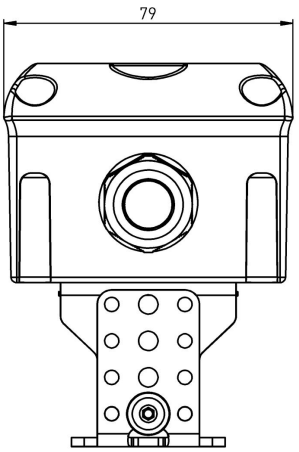
Klemmplan Wiring diagram





MaßzeichnungDimensions





Enthaltenes Zubehör Included Accessories

-MBH01	**Edelstahl-Montagebrücke, verstellbar, 80x30x20mm (1.4301)** Stainless steel bracket, adjustable, 80x30x20mm (AISI 304)
SE-A-32-LOGO	**Extra Aufkleber mit Kundenlogo, 32x32mm für ATEX wave Boxen** Extra label with customer logo on the switch box Size: 32 x 32mm (visà-vis the cable gland)

Besonderheiten Extras

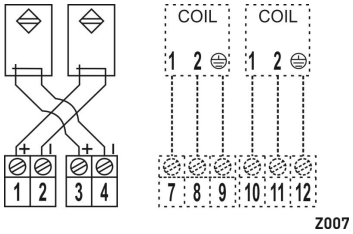
Endschalterbox, wave, Vestamid, 2x induktiv M12, NAMUR NC

Limit switch box, wave, Vestamid, 2x proximity M12, NAMUR NC

Artikelnummer Part number	**EVE2I01-5-IA**
Endschaltertyp Switch type	P+F, NJ2-12GK-N
Spannung/Strom Voltage/Current	8,2V DC, <=1mA ON, >=3mA OFF
IP-Schutz IP protection	IP66/IP67
SIL Level SIL level	SIL 1-3
Umgebungstemperatur Ambient temperature	-25…+70°C
Gehäuse Material Housing material	Vestamid, Grilamid, EPDM, NBR
Anschlüsse Connections	1x M20x1,5
Ex Bescheinigung Ex document	IBExU 11 ATEX 1154 IECEx IBE 13.0042
Kennzeichnung Marking	II 2G Ex ia IIC T6 Gb II 2D Ex ia IIIC T80°C Db
Eigensicherheit Intrinsic Safety	Ui: 16V Ii: 25mA Pi: 34mW Ci: 45nF Li: 50µH
Ex Zone Ex zone	Zone 1, 21

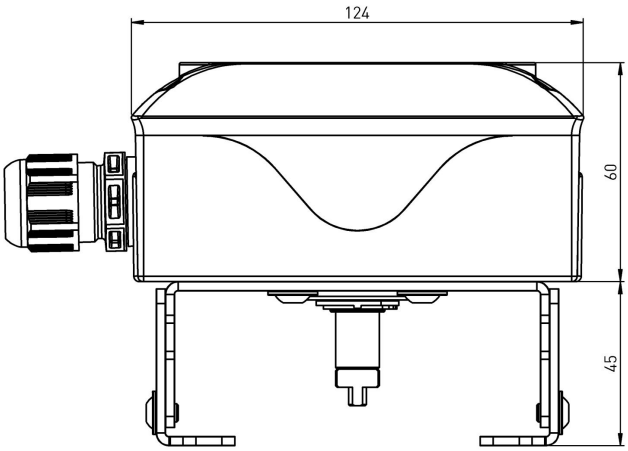


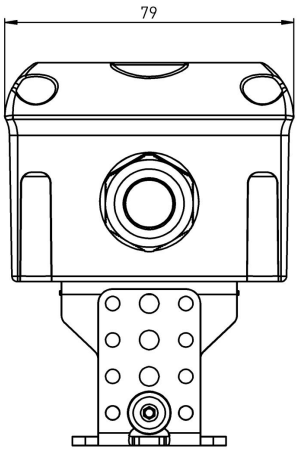
Klemmplan Wiring diagram





MaßzeichnungDimensions





Enthaltenes Zubehör Included Accessories

-MBH01	**Edelstahl-Montagebrücke, verstellbar, 80x30x20mm (1.4301)** Stainless steel bracket, adjustable, 80x30x20mm (AISI 304)

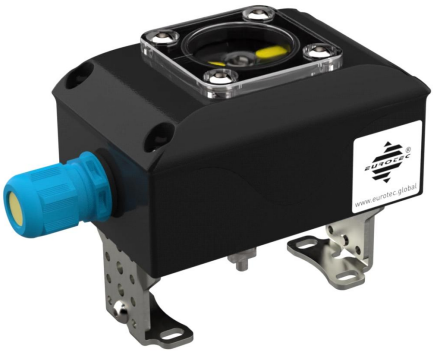
Besonderheiten Extras

- Betätiger aus Edelstahl, Endlagen bedämpft

- Cams made of stainless steel, end position activated

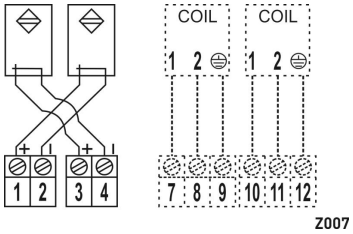
Endschalterbox, wave, Aluminium, 2x induktiv M12, NAMUR NC

Limit switch box, wave, Aluminum, 2x proximity M12, NAMUR NC



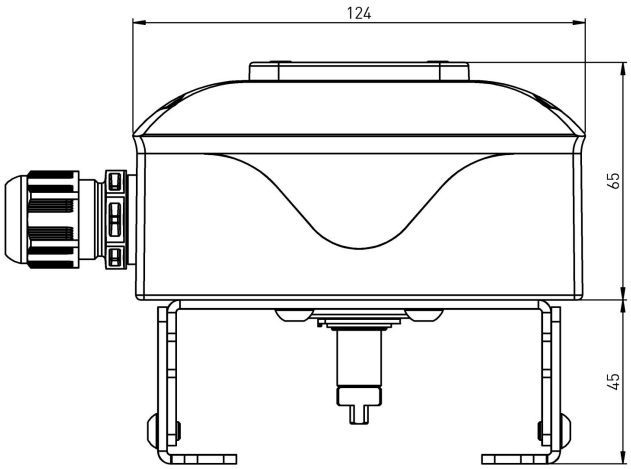
Artikelnummer Part number	**EAE2I01-77-IA**
Endschaltertyp Switch type	P+F, NJ2-12GK-SN
Spannung/Strom Voltage/Current	8,2V DC, <=1mA ON, >=3mA OFF
IP-Schutz IP protection	IP66/IP67
SIL Level SIL level	SIL 1-3
Umgebungstemperatur Ambient temperature	-25...+70°C
Gehäuse Material Housing material	Aluminium, PC, EPDM, NBR
Anschlüsse Connections	1x M20x1,5
Ex Bescheinigung Ex document	IBExU 11 ATEX 1154 IECEx IBE 13.0042
Kennzeichnung Marking	II 2G Ex ia IIC T6 Gb II 2D Ex ia IIIC T80°C Db
Eigensicherheit Intrinsic Safety	Ui: 16V Ii: 25mA Pi: 34mW Ci: 50nF Li: 150µH
Ex Zone Ex zone	Zone 1, 21

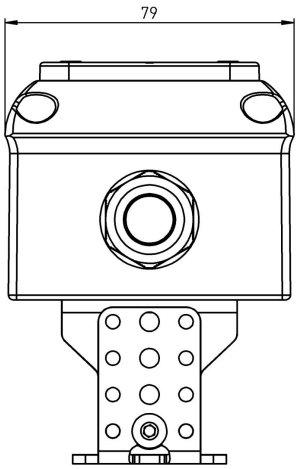
Klemmplan Wiring diagram





MaßzeichnungDimensions





Enthaltenes Zubehör Included Accessories

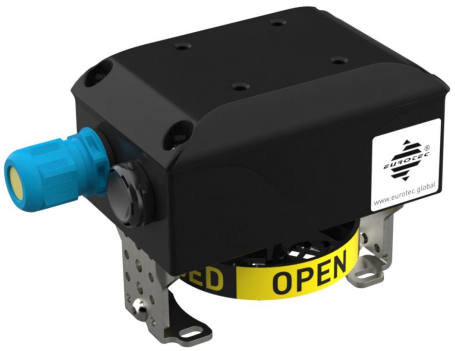
-MBH01 **Edelstahl-Montagebrücke, verstellbar, 80x30x20mm (1.4301)**
Stainless steel bracket, adjustable, 80x30x20mm (AISI 304)

Besonderheiten Extras

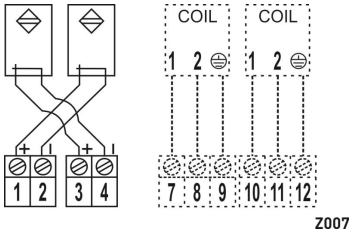
Endschalterbox, wave, Aluminium, 2x induktiv M12, NAMUR NC

Limit switch box, wave, Aluminum, 2x proximity M12, NAMUR NC

Artikelnummer Part number	**EAE2I01-77-IA-40°C**
Endschaltertyp Switch type	P+F, NJ2-12GK-SN
Spannung/Strom Voltage/Current	8,2V DC, <=1mA ON, >=3mA OFF
IP-Schutz IP protection	IP66/IP67/IP68
SIL Level SIL level	SIL 1-3
Umgebungstemperatur Ambient temperature	-40...+70°C
Gehäuse Material Housing material	Aluminium, EPDM, MVQ, PTFE
Anschlüsse Connections	1x M20x1,5
Ex Bescheinigung Ex document	IBExU 11 ATEX 1154 IECEx IBE 13.0042
Kennzeichnung Marking	II 2G Ex ia IIC T6 Gb II 2D Ex ia IIIC T80°C Db
Eigensicherheit Intrinsic Safety	Ui: 16V Ii: 25mA Pi: 34mW Ci: 50nF Li: 150µH
Ex Zone Ex zone	Zone 1, 21

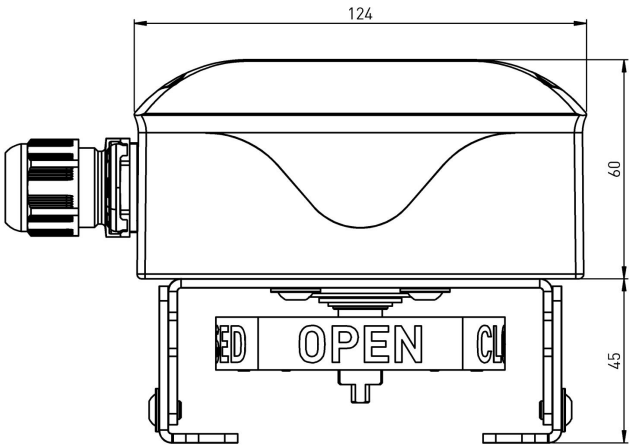


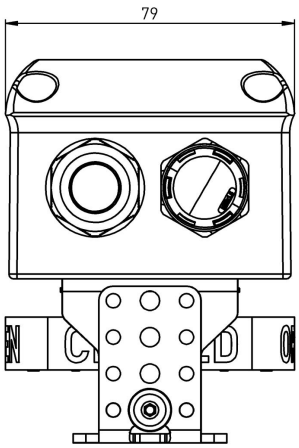
Klemmplan Wiring diagram





MaßzeichnungDimensions





Enthaltenes Zubehör Included Accessories

-MBH01	**Edelstahl-Montagebrücke, verstellbar, 80x30x20mm (1.4301)** Stainless steel bracket, adjustable, 80x30x20mm (AISI 304)

Besonderheiten Extras

- **Druckausgleichselement**
- **Deckel ohne Sichtfenster**
- **OPEN-CLOSED Anzeige unter der Box**
- **Welle mit Silikon Dichtungen**

- Venting element
- Cover without indication window
- OPEN-CLOSED indicator below the box

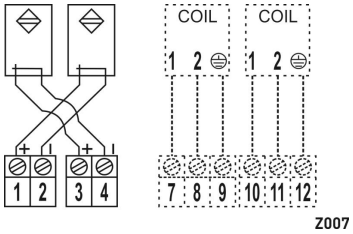
Endschalterbox, wave, Vestamid, 2x induktiv M18, NAMUR NC

Limit switch box, wave, Vestamid, 2x proximity M18, NAMUR NC

Artikelnummer Part number	**EVE2I01-70-IA**
Endschaltertyp Switch type	IFM, NG5002
Spannung/Strom Voltage/Current	8,2V DC, <1mA ON, >2,1mA OFF
IP-Schutz IP protection	IP66/IP67
SIL Level SIL level	SIL 1-3
Umgebungstemperatur Ambient temperature	-25…+70°C
Gehäuse Material Housing material	Vestamid, Grilamid, EPDM, NBR
Anschlüsse Connections	1x M20x1,5
Ex Bescheinigung Ex document	IBExU 11 ATEX 1154 IECEx IBE 13.0042
Kennzeichnung Marking	II 2G Ex ia IIC T6 Gb II 2D Ex ia IIIC T80°C Db
Eigensicherheit Intrinsic Safety	Ui: 15V Ii: 50mA Pi: 120mW Ci: 145nF Li: 45µH
Ex Zone Ex zone	Zone 1, 21

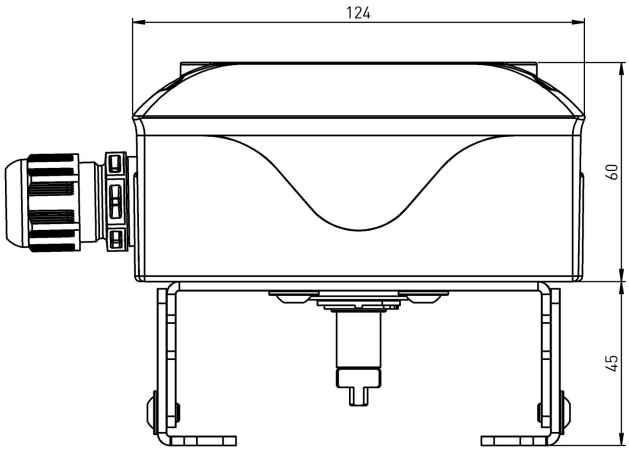


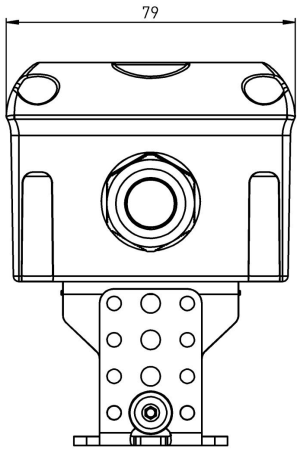
Klemmplan Wiring diagram





MaßzeichnungDimensions





Enthaltenes Zubehör Included Accessories

Besonderheiten Extras

-MBH01	**Edelstahl-Montagebrücke, verstellbar, 80x30x20mm (1.4301)** Stainless steel bracket, adjustable, 80x30x20mm (AISI 304)

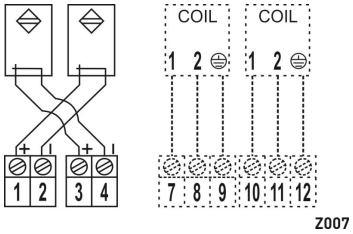
Endschalterbox, wave, Vestamid, 2x induktiv M18, NAMUR NC

Limit switch box, wave, Vestamid, 2x proximity M18, NAMUR NC

Artikelnummer Part number	**EVE2I01-169-IA**
Endschaltertyp Switch type	P+F, NCB5-18GM40-N0
Spannung/Strom Voltage/Current	8,2V DC, <=1mA ON, >=3mA OFF
IP-Schutz IP protection	IP66/IP67
SIL Level SIL level	SIL 1-3
Umgebungstemperatur Ambient temperature	-25…+70°C
Gehäuse Material Housing material	Vestamid, Grilamid, EPDM, NBR
Anschlüsse Connections	1x M20x1,5
Ex Bescheinigung Ex document	IBExU 11 ATEX 1154 IECEx IBE 13.0042
Kennzeichnung Marking	II 2G Ex ia IIC T6 Gb II 2D Ex ia IIIC T80°C Db
Eigensicherheit Intrinsic Safety	Ui: 16V Ii: 25mA Pi: 34mW Ci: 95nF Li: 100µH
Ex Zone Ex zone	Zone 1, 21

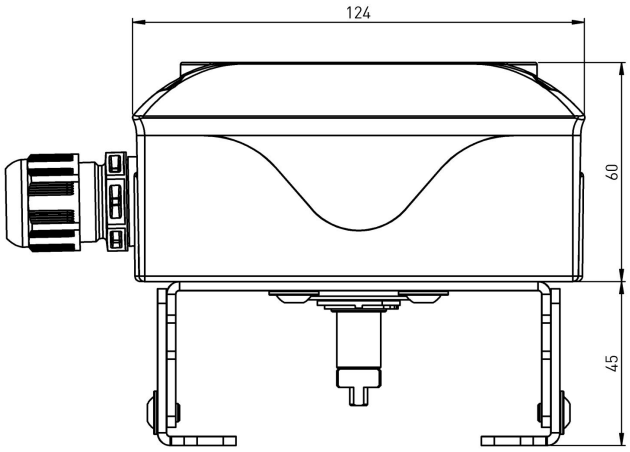


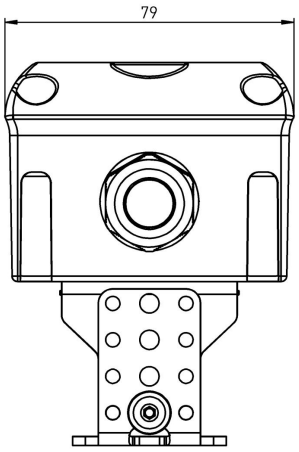
Klemmplan Wiring diagram





MaßzeichnungDimensions





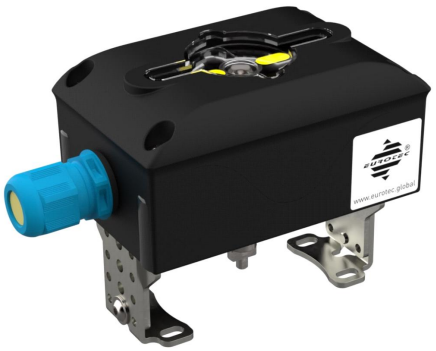
Enthaltenes Zubehör Included Accessories

-MBH01 **Edelstahl-Montagebrücke, verstellbar, 80x30x20mm (1.4301)**
Stainless steel bracket, adjustable, 80x30x20mm (AISI 304)

Besonderheiten Extras

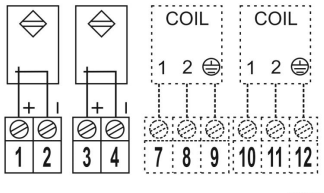
Endschalterbox, wave, Vestamid, 2x Schlitz, NAMUR NC

Limit switch box, wave, Vestamid, 2x slot type, NAMUR NC



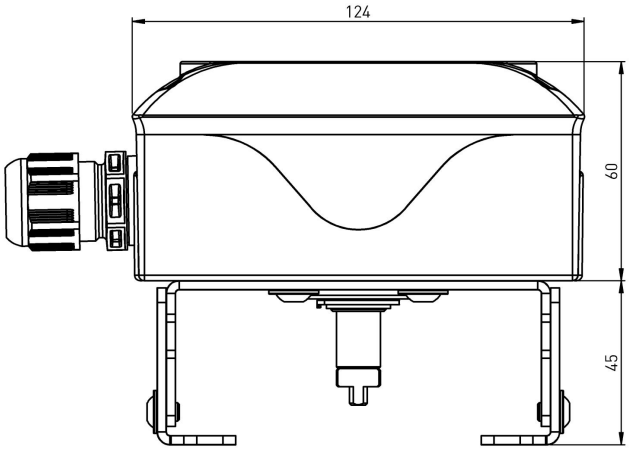
Artikelnummer Part number	**EVE2S01-IA**
Endschaltertyp Switch type	P+F, SJ3,5-N
Spannung/Strom Voltage/Current	8,2V DC, <=1mA ON, >=3mA OFF
IP-Schutz IP protection	IP66/IP67
SIL Level SIL level	SIL 1-3
Umgebungstemperatur Ambient temperature	-25…+70°C
Gehäuse Material Housing material	Vestamid, Grilamid, EPDM, NBR
Anschlüsse Connections	1x M20x1,5
Ex Bescheinigung Ex document	IBExU 11 ATEX 1154 IECEx IBE 13.0042
Kennzeichnung Marking	II 2G Ex ia IIC T6 Gb II 2D Ex ia IIIC T80°C Db
Eigensicherheit Intrinsic Safety	Ui: 16V Ii: 25mA Pi: 34mW Ci: 50nF Li: 250µH
Ex Zone Ex zone	Zone 1, 21

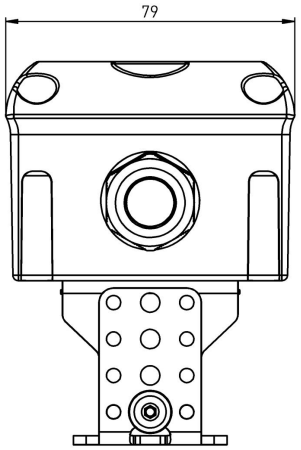
Klemmplan Wiring diagram





MaßzeichnungDimensions





Enthaltenes Zubehör Included Accessories

-MBH01	**Edelstahl-Montagebrücke, verstellbar, 80x30x20mm (1.4301)** Stainless steel bracket, adjustable, 80x30x20mm (AISI 304)

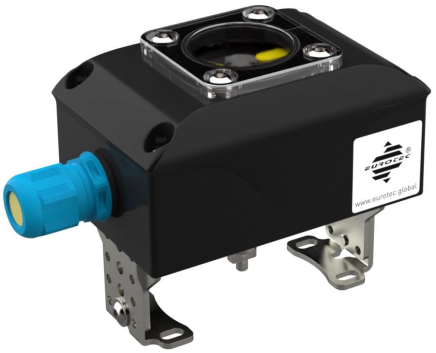
Besonderheiten Extras

- Betätigungssystem mit Verzahnung, Endlagen unbedämpft

- Interlocking activation system, end-positions non-activated

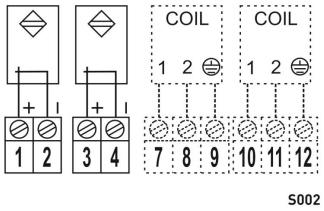
Endschalterbox, wave, Aluminium, 2x Schlitz, NAMUR NC

Limit switch box, wave, Aluminum, 2x slot type, NAMUR NC



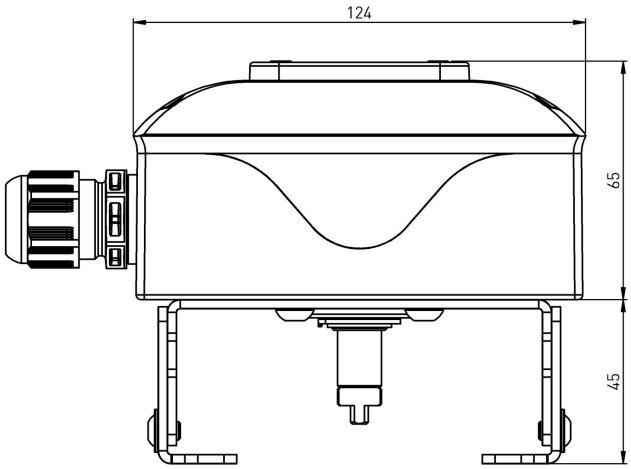
Artikelnummer Part number	**EAE2S01-IA**
Endschaltertyp Switch type	P+F, SJ3,5-N
Spannung/Strom Voltage/Current	8,2V DC, <=1mA ON, >=3mA OFF
IP-Schutz IP protection	IP66/IP67
SIL Level SIL level	SIL 1-3
Umgebungstemperatur Ambient temperature	-25...+70°C
Gehäuse Material Housing material	Aluminium, PC, EPDM, NBR
Anschlüsse Connections	1x M20x1,5
Ex Bescheinigung Ex document	IBExU 11 ATEX 1154 IECEx IBE 13.0042
Kennzeichnung Marking	II 2G Ex ia IIC T6 Gb II 2D Ex ia IIIC T80°C Db
Eigensicherheit Intrinsic Safety	Ui: 16V Ii: 25mA Pi: 34mW Ci: 50nF Li: 250µH
Ex Zone Ex zone	Zone 1, 21

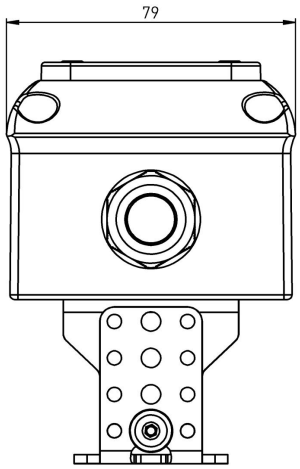
Klemmplan Wiring diagram





MaßzeichnungDimensions





Enthaltenes Zubehör Included Accessories

-MBH01 **Edelstahl-Montagebrücke, verstellbar, 80x30x20mm (1.4301)**
Stainless steel bracket, adjustable, 80x30x20mm (AISI 304)

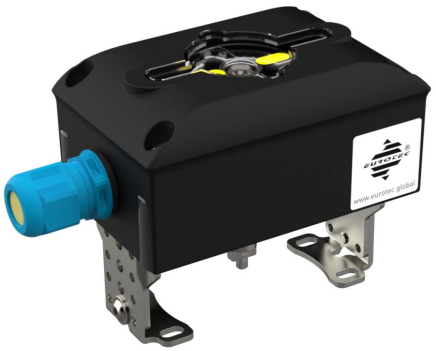
Besonderheiten Extras

- Betätigungssystem mit Verzahnung, Endlagen unbedämpft

- Interlocking activation system, end-positions non-activated

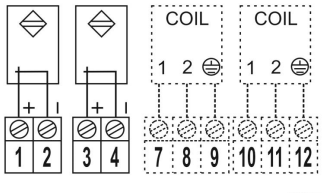
Endschalterbox, wave, Vestamid, 2x Schlitz, NAMUR NC

Limit switch box, wave, Vestamid, 2x slot type, NAMUR NC



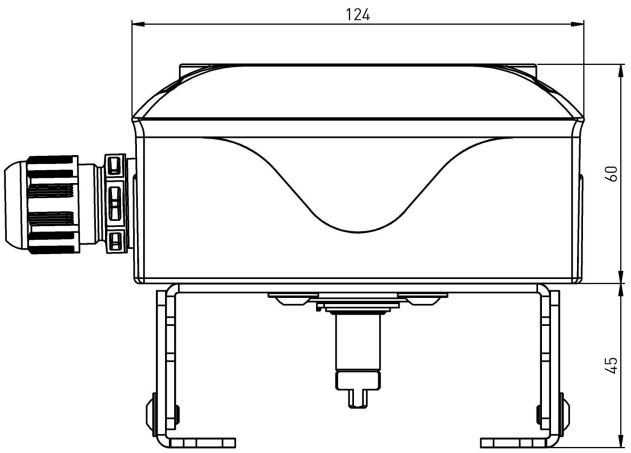
Artikelnummer Part number	**EVE2S01-129-IA**
Endschaltertyp Switch type	P+F, SC3,5-N0-BU
Spannung/Strom Voltage/Current	8,2V DC, <=1mA ON, >=3mA OFF
IP-Schutz IP protection	IP66/IP67
SIL Level SIL level	SIL 1-3
Umgebungstemperatur Ambient temperature	-25…+70°C
Gehäuse Material Housing material	Vestamid, Grilamid, EPDM, NBR
Anschlüsse Connections	1x M20x1,5
Ex Bescheinigung Ex document	IBExU 11 ATEX 1154 IECEx IBE 13.0042
Kennzeichnung Marking	II 2G Ex ia IIC T6 Gb II 2D Ex ia IIIC T80°C Db
Eigensicherheit Intrinsic Safety	Ui: 16V Ii: 25mA Pi: 34mW Ci: 150nF Li: 150µH
Ex Zone Ex zone	Zone 1, 21

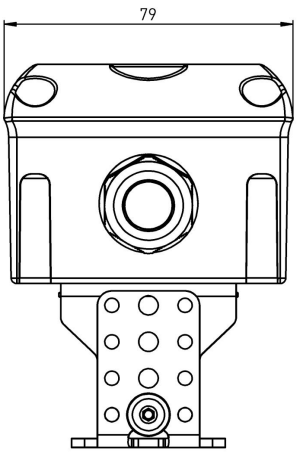
Klemmplan Wiring diagram





MaßzeichnungDimensions





Enthaltenes Zubehör Included Accessories

-MBH01	**Edelstahl-Montagebrücke, verstellbar, 80x30x20mm (1.4301)** Stainless steel bracket, adjustable, 80x30x20mm (AISI 304)

Besonderheiten Extras

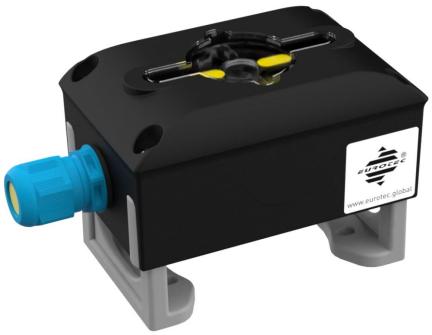
- Betätigungssystem mit Verzahnung, Endlagen unbedämpft

- Interlocking activation system, end-positions non-activated

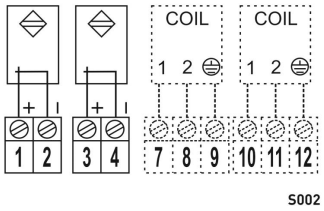
Endschalterbox, wave, Vestamid, 2x Schlitz, NAMUR NC

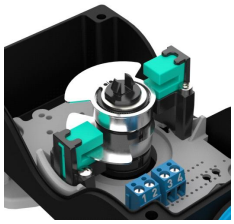
Limit-switch box, wave, Vestamid, 2x slot type, NAMUR NC

Artikelnummer Part number	**EVP2S01-28-IA**
Endschaltertyp Switch type	P+F, SJ3,5-SN
Spannung/Strom Voltage/Current	8,2V DC, 0,2-1mA ON, >=3mA OFF
IP-Schutz IP protection	IP66/IP67
SIL Level SIL level	SIL 1-3
Umgebungstemperatur Ambient temperature	-25...+70°C
Gehäuse Material Housing material	Vestamid, Grilamid, EPDM, NBR
Anschlüsse Connections	1x M20x1,5
Ex Bescheinigung Ex document	IBExU 11 ATEX 1154 IECEx IBE 13.0042
Kennzeichnung Marking	II 2G Ex ia IIC T6 Gb II 2D Ex ia IIIC T80°C Db
Eigensicherheit Intrinsic Safety	Ui: 16V Ii: 25mA Pi: 34mW Ci: 30nF Li: 100µH
Ex Zone Ex zone	Zone 1, 21

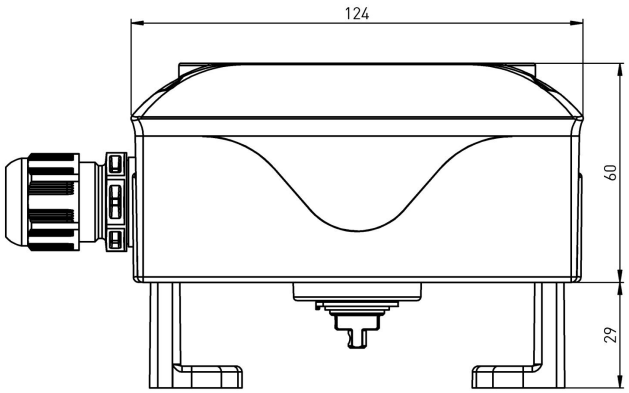


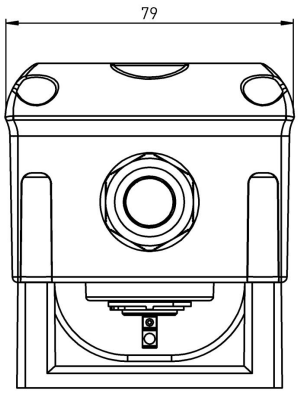
Klemmplan Wiring diagram





MaßzeichnungDimensions





Enthaltenes Zubehör Included Accessories

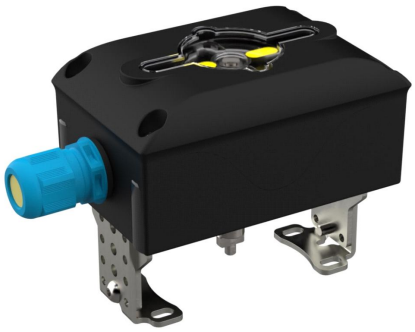
Besonderheiten Extras

- Betätigungssystem mit Verzahnung, Endlagen unbedämpft
- Polyamid-Montagebrücke 80x30x20mm (PA mit 30% Glasfaser)

- Interlocking activation system, end-positions non-activated
- Polyamide mounting bracket 80x30x20mm (PA with 30% fiber glass)

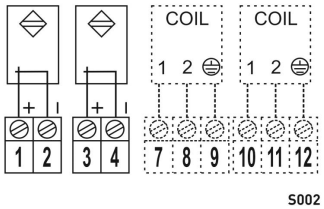
Endschalterbox, wave, Vestamid, 2x Schlitz, NAMUR NC

Limit switch box, wave, Vestamid, 2x slot type, NAMUR NC



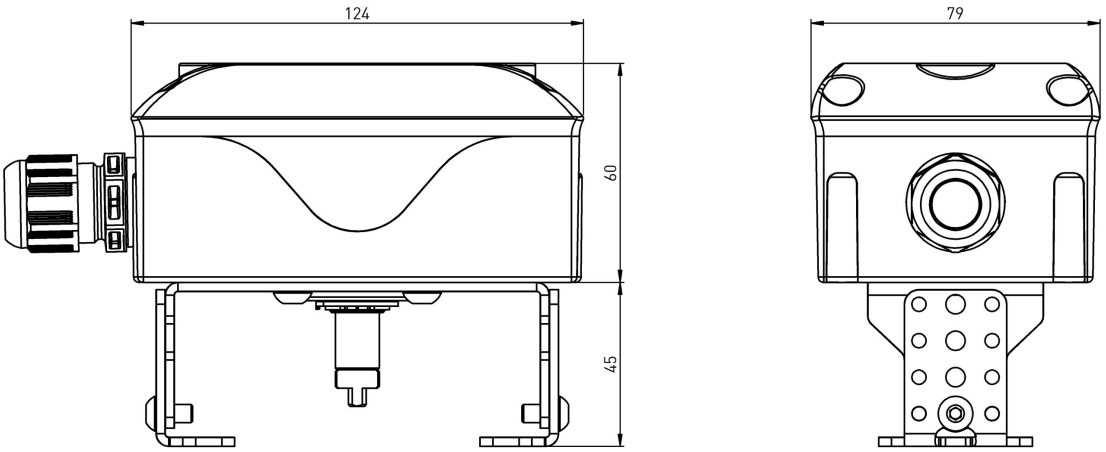
Artikelnummer Part number	**EVE2S01-28-IA**
Endschaltertyp Switch type	P+F, SJ3,5-SN
Spannung/Strom Voltage/Current	8,2V DC, 0,2-1mA ON, >=3mA OFF
IP-Schutz IP protection	IP66/IP67
SIL Level SIL level	SIL 1-3
Umgebungstemperatur Ambient temperature	-25…+70°C
Gehäuse Material Housing material	Vestamid, Grilamid, EPDM, NBR
Anschlüsse Connections	1x M20x1,5
Ex Bescheinigung Ex document	IBExU 11 ATEX 1154 IECEx IBE 13.0042
Kennzeichnung Marking	II 2G Ex ia IIC T6 Gb II 2D Ex ia IIIC T80°C Db
Eigensicherheit Intrinsic Safety	Ui: 16V Ii: 25mA Pi: 34mW Ci: 30nF Li: 100µH
Ex Zone Ex zone	Zone 1, 21

Klemmplan Wiring diagram





MaßzeichnungDimensions



Enthaltenes Zubehör Included Accessories

-MBH01 **Edelstahl-Montagebrücke, verstellbar, 80x30x20mm (1.4301)**
Stainless steel bracket, adjustable, 80x30x20mm (AISI 304)

Besonderheiten Extras

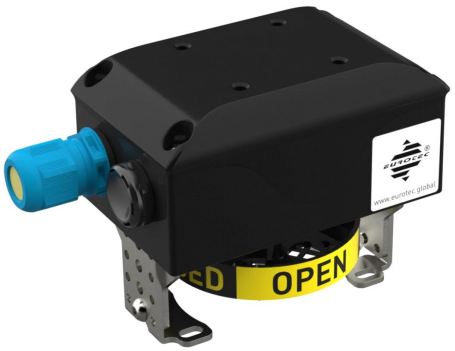
- Betätigungssystem mit Verzahnung, Endlagen unbedämpft

- Interlocking activation system, end-positions non-activated

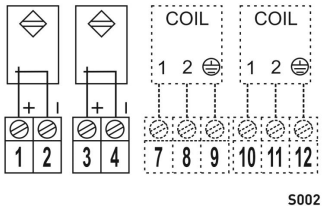
Endschalterbox, wave, Aluminium, 2x Schlitz, NAMUR NC

Limit switch box, wave, Aluminum, 2x slot type, NAMUR NC

Artikelnummer Part number	**EAE2S01-28-IA-40°C**
Endschaltertyp Switch type	P+F, SJ3,5-SN
Spannung/Strom Voltage/Current	8,2V DC, 0,2-1mA ON, >=3mA OFF
IP-Schutz IP protection	IP66/IP67/IP68
SIL Level SIL level	SIL 1-3
Umgebungstemperatur Ambient temperature	-40...+70°C
Gehäuse Material Housing material	Aluminium, EPDM, MVQ, PTFE
Anschlüsse Connections	1x M20x1,5
Ex Bescheinigung Ex document	IBExU 11 ATEX 1154 IECEx IBE 13.0042
Kennzeichnung Marking	II 2G Ex ia IIC T6 Gb II 2D Ex ia IIIC T80°C Db
Eigensicherheit Intrinsic Safety	Ui: 16V Ii: 25mA Pi: 34mW Ci: 30nF Li: 100µH
Ex Zone Ex zone	Zone 1, 21

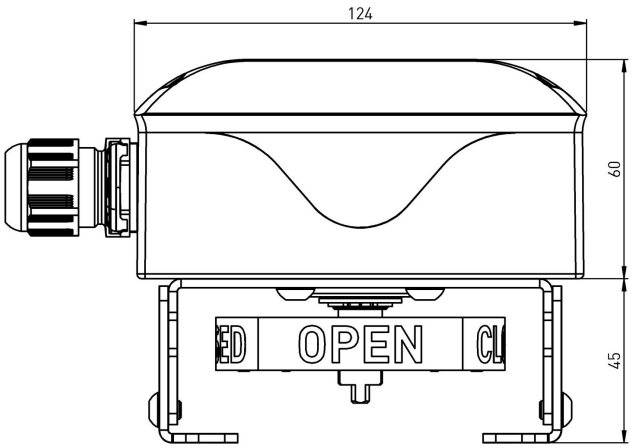


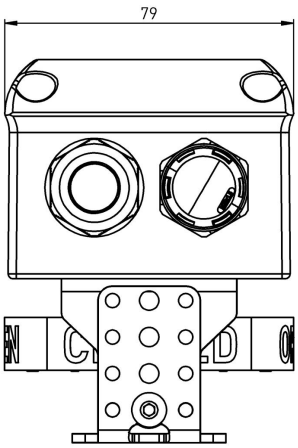
Klemmplan Wiring diagram





MaßzeichnungDimensions





Enthaltenes Zubehör Included Accessories

-MBH01	**Edelstahl-Montagebrücke, verstellbar, 80x30x20mm (1.4301)** Stainless steel bracket, adjustable, 80x30x20mm (AISI 304)

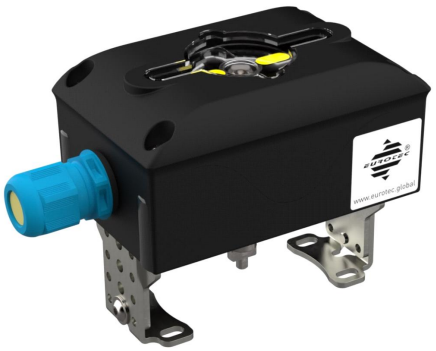
Besonderheiten Extras

- Deckel ohne Sichtfenster
- Druckausgleichselement
- Betätigungssystem mit Verzahnung, Endlagen unbedämpft
- Edelstahlwelle mit Silikon O-Ringen
- OPEN-CLOSED Anzeige unter der Box

- Cover without indication window
- Venting element
- Interlocking activation system, end-positions non-activated
- Shaft with silicone o-rings
- OPEN-CLOSED indicator below the box

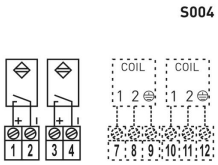
Endschalterbox, wave, Vestamid, 2x Schlitz, NAMUR NO

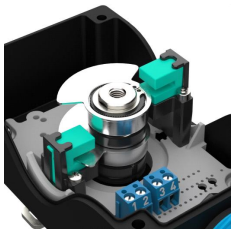
Limit switch box, wave, Vestamid, 2x slot type, NAMUR NO



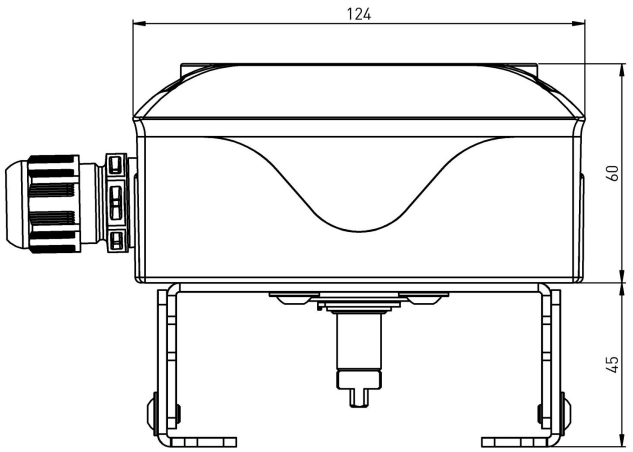
Artikelnummer Part number	**EVE2S01-40-IA**
Endschaltertyp Switch type	P+F, SJ3,5-S1N
Spannung/Strom Voltage/Current	8,2V DC, 0,2-1mA OFF, >=3mA ON
IP-Schutz IP protection	IP66/IP67
SIL Level SIL level	SIL 1-3
Umgebungstemperatur Ambient temperature	-25…+70°C
Gehäuse Material Housing material	Vestamid, Grilamid, EPDM, NBR
Anschlüsse Connections	1x M20x1,5
Ex Bescheinigung Ex document	IBExU 11 ATEX 1154 IECEx IBE 13.0042
Kennzeichnung Marking	II 2G Ex ia IIC T6 Gb II 2D Ex ia IIIC T80°C Db
Eigensicherheit Intrinsic Safety	Ui: 16V Ii: 25mA Pi: 34mW Ci: 30nF Li: 100µH
Ex Zone Ex zone	Zone 1, 21

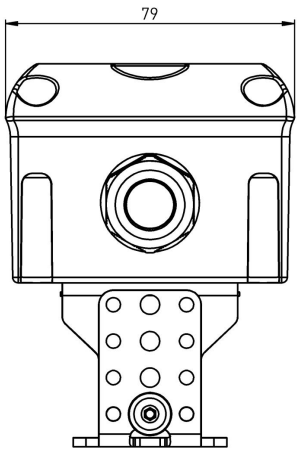
Klemmplan Wiring diagram





MaßzeichnungDimensions





Enthaltenes Zubehör Included Accessories

-MBH01	**Edelstahl-Montagebrücke, verstellbar, 80x30x20mm (1.4301)** Stainless steel bracket, adjustable, 80x30x20mm (AISI 304)

Besonderheiten Extras

- Betätigungssystem mit Verzahnung, Endlagen unbedämpft

- Interlocking activation system, end-positions non-activated

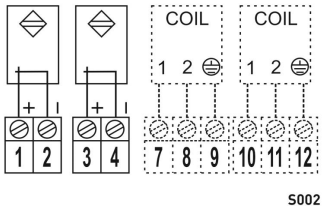
Endschalterbox, wave, Vestamid, 2x Schlitz, NAMUR NC

Limit switch box, wave, Vestamid, 2x slot type, NAMUR NC



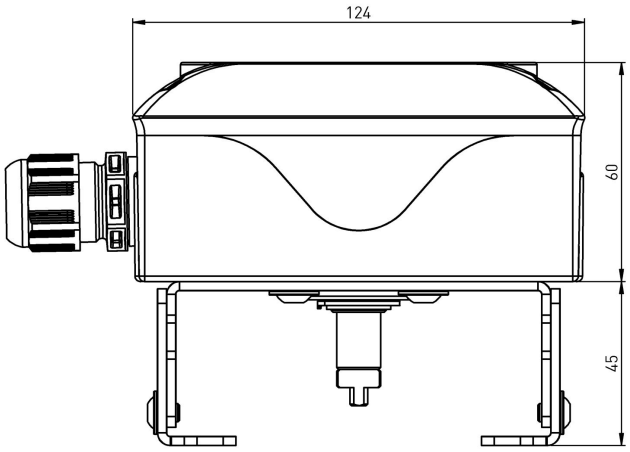
Artikelnummer Part number	**EVE2S01-88-IA**
Endschaltertyp Switch type	P+F, SC3,5-G-N0
Spannung/Strom Voltage/Current	8,2V DC, <=1mA ON, >=3mA OFF
IP-Schutz IP protection	IP66/IP67
SIL Level SIL level	SIL 1-3
Umgebungstemperatur Ambient temperature	-25…+70°C
Gehäuse Material Housing material	Vestamid, Grilamid, EPDM, NBR
Anschlüsse Connections	1x M20x1,5
Ex Bescheinigung Ex document	IBExU 11 ATEX 1154 IECEx IBE 13.0042
Kennzeichnung Marking	II 2G Ex ia IIC T6 Gb II 2D Ex ia IIIC T80°C Db
Eigensicherheit Intrinsic Safety	Ui: 16V Ii: 25mA Pi: 34mW Ci: 150nF Li: 150µH
Ex Zone Ex zone	Zone 1, 21

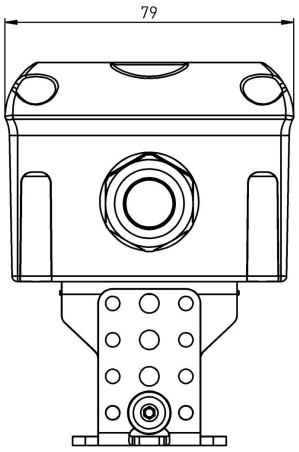
Klemmplan Wiring diagram





MaßzeichnungDimensions





Enthaltenes Zubehör Included Accessories

-MBH01 **Edelstahl-Montagebrücke, verstellbar, 80x30x20mm (1.4301)**
Stainless steel bracket, adjustable, 80x30x20mm (AISI 304)

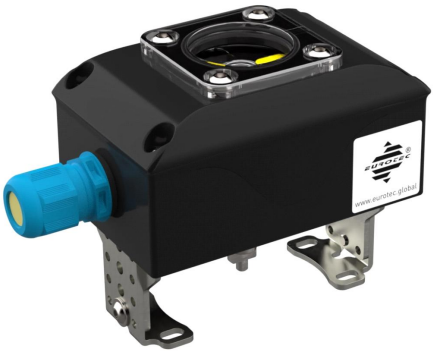
Besonderheiten Extras

- Betätigungssystem mit Verzahnung, Endlagen unbedämpft

- Interlocking activation system, end-positions non-activated

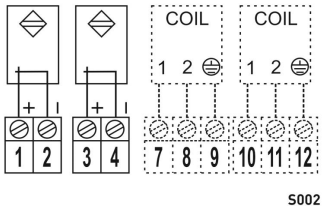
Endschalterbox, wave, Aluminium, 2x Schlitz, NAMUR NC

Limit switch box, wave, Aluminum, 2x slot type, NAMUR NC



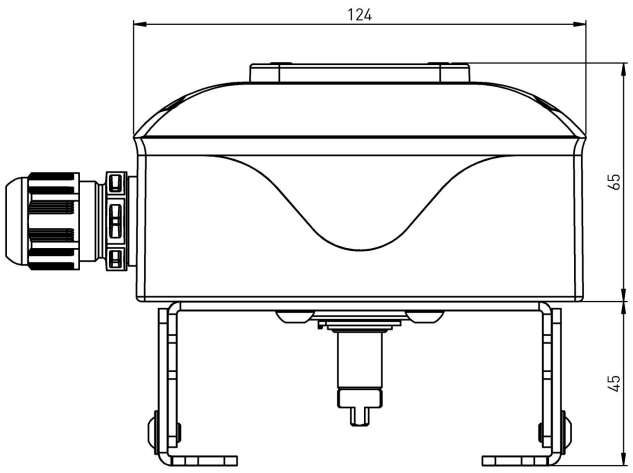
Artikelnummer Part number	**EAE2S01-88-IA**
Endschaltertyp Switch type	P+F, SC3,5-G-N0
Spannung/Strom Voltage/Current	8,2V DC, <=1mA ON, >=3mA OFF
IP-Schutz IP protection	IP66/IP67
SIL Level SIL level	SIL 1-3
Umgebungstemperatur Ambient temperature	-25...+70°C
Gehäuse Material Housing material	Aluminium, PC, EPDM, NBR
Anschlüsse Connections	1x M20x1,5
Ex Bescheinigung Ex document	IBExU 11 ATEX 1154 IECEx IBE 13.0042
Kennzeichnung Marking	II 2G Ex ia IIC T6 Gb II 2D Ex ia IIIC T80°C Db
Eigensicherheit Intrinsic Safety	Ui: 16V Ii: 25mA Pi: 34mW Ci: 150nF Li: 150µH
Ex Zone Ex zone	Zone 1, 21

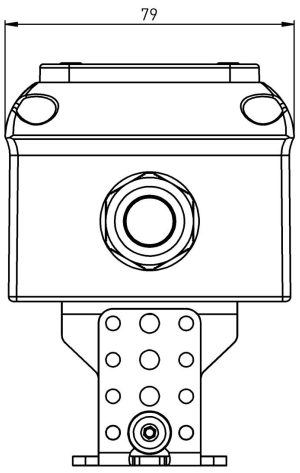
Klemmplan Wiring diagram





MaßzeichnungDimensions





Enthaltenes Zubehör Included Accessories

-MBH01 **Edelstahl-Montagebrücke, verstellbar, 80x30x20mm (1.4301)**
Stainless steel bracket, adjustable, 80x30x20mm (AISI 304)

Besonderheiten Extras

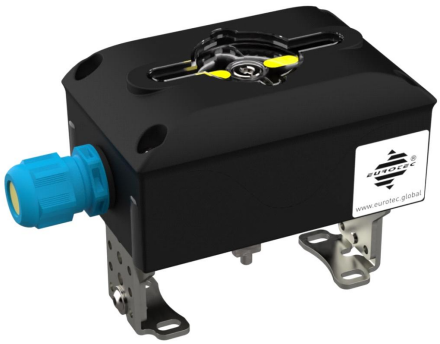
- Betätigungssystem mit Verzahnung, Endlagen unbedämpft

- Interlocking activation system, end-positions non-activated

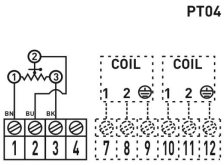
Endschalterbox, wave, Vestamid, 1x Potentiometer

Limit switch box, wave, Vestamid, 1x potentiometer

Artikelnummer Part number	**EVE1PT01-5K-IA**
Endschaltertyp Switch type	Contelec, WAL305-5K
Spannung/Strom Voltage/Current	5kOhm, 10mA
IP-Schutz IP protection	IP66/IP67
SIL Level SIL level	SIL 1-3
Umgebungstemperatur Ambient temperature	-25...+70°C
Gehäuse Material Housing material	Vestamid, Grilamid, EPDM, NBR
Anschlüsse Connections	1x M20x1,5
Ex Bescheinigung Ex document	IBExU 11 ATEX 1154 IECEx IBE 13.0042
Kennzeichnung Marking	II 2G Ex ia IIC T6 Gb II 2D Ex ia IIIC T80°C Db
Eigensicherheit Intrinsic Safety	Ui: 13,8V Ii: 10mA Pi: 121mW
Ex Zone Ex zone	Zone 1, 21

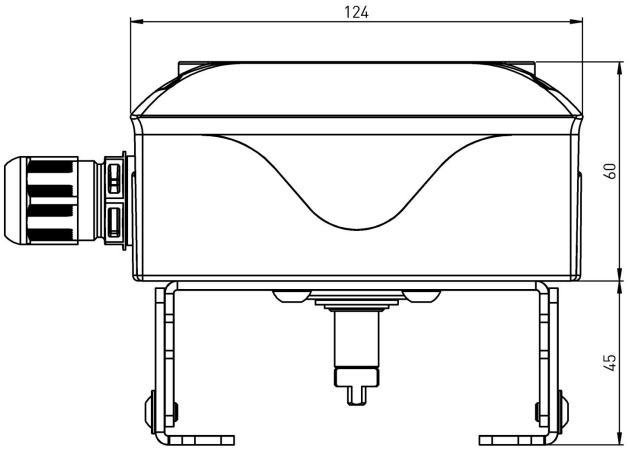


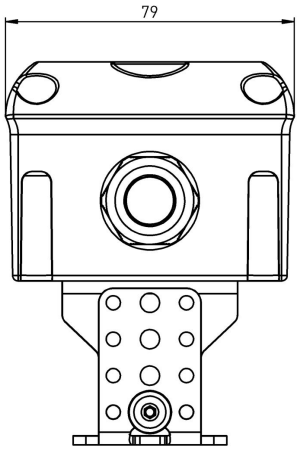
Klemmplan Wiring diagram





MaßzeichnungDimensions





Enthaltenes Zubehör Included Accessories

-MBH01	**Edelstahl-Montagebrücke, verstellbar, 80x30x20mm (1.4301)** Stainless steel bracket, adjustable, 80x30x20mm (AISI 304)

Besonderheiten Extras

- Elektr. Winkel 340° +/-2° über elektr. Mitte
- Unabhängige Linearität: +/- 0,5%

- Electr. angle 340° +/-2° over electr. middle
- Independent linearity: +/- 0,5%

Zündschutzart Ex de t (-ED)

In explosionsgefährdeten Bereichen ist der Schutz elektrischer Betriebsmittel von höchster Bedeutung. Die wave Ex de t Endschalterboxen vereinen die Zündschutzarten Ex d (druckfeste Kapselung), Ex e (erhöhte Sicherheit) sowie Ex t (Schutz durch Gehäuse). Diese Kombination, ermöglicht eine sichere, zuverlässige und gleichzeitig wartungsfreundliche Lösung für anspruchsvolle Anwendungen in der Prozess- und Automatisierungstechnik. Die eingebauten, mechanischen Schalter haben die Zündschutzart Ex d und werden im Gehäuse nach Ex e auf Klemme verdrahtet. Dadurch spart man sich aufwändige Anschlüsse mit Ex d Kabelverschraubungen, und kann einfach und Schnell ein Kabel einführen und anschließen.
Die wave Box bietet Platz für bis zu zwei SPDT Ex d Schaltern und bei Reduktion auf 24V zusätzlich für den Anschluss einer Magnetspule bis 24V.

Geeignet für:
Zone 1, Zone 2, Zone 21, Zone 22
II 2G Ex db eb IIC/IIB T6 Gb
II 2D Ex tb IIIC T80°C Db

Protection type Ex de t (-ED)

In hazardous areas, the protection of electrical equipment is of paramount importance. The wave Ex de t limit switch boxes combine the types of protection Ex d (flameproof enclosure), Ex e (increased safety), and Ex t (protection by enclosure). This combination provides a safe, reliable, and maintenance-friendly solution for demanding applications in process and automation technology.

The built-in mechanical switches are designed with Ex d protection and are internally wired to terminals in accordance with Ex e standards. This eliminates the need for complex Ex d cable glands and allows for quick and easy cable entry and connection.

The wave box offers space for up to two SPDT Ex d switches and with limitation to 24V additionally the feedthrough of one solenoid coil up to 24V.

Suitable for:
Zone 1, Zone 2, Zone 21, Zone 22
II 2G Ex db eb IIC/IIB T6 Gb
II 2D Ex tb IIIC T80°C Db

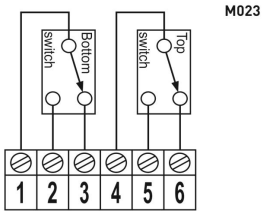
Endschalterbox, wave, Vestamid, 2x mechanisch, SPDT

Limit switch box, wave, Vestamid, 2x mechanical, SPDT



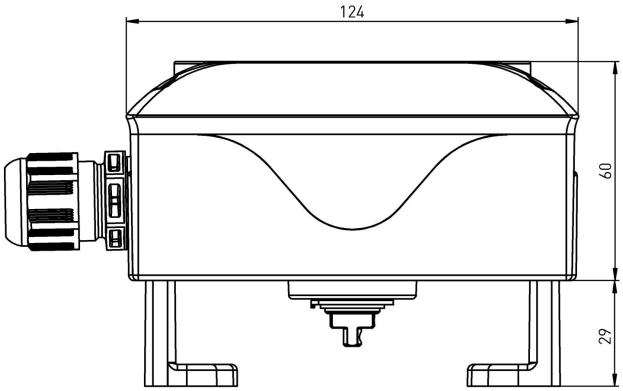
Artikelnummer Part number	**EVP2M01-551-ED**
Endschaltertyp Switch type	BARTEC, 07-1511-1030
Spannung/Strom Voltage/Current	Ue: 250V, Ie: 4A AC, 400mA DC
IP-Schutz IP protection	IP66
SIL Level SIL level	SIL 1-3
Umgebungstemperatur Ambient temperature	-20…+40°C
Gehäuse Material Housing material	Vestamid, Grilamid, EPDM, NBR
Anschlüsse Connections	1x M20x1,5 Ex e
Ex Bescheinigung Ex document	IBExU 12 ATEX 1022 X IECEx IBE 13.0041X
Kennzeichnung Marking	II 2G Ex db eb IIC T6 Gb II 2D Ex tb IIIC T80°C Db
Ex Zone Ex zone	Zone 1, 21

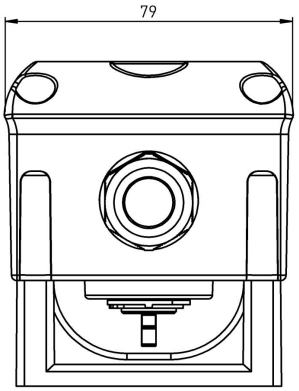
Klemmplan Wiring diagram





MaßzeichnungDimensions





Enthaltenes Zubehör Included Accessories

Besonderheiten Extras

- Polyamid-Montagebrücke 80x30x20mm (PA mit 30% Glasfaser)

>> Hochspannungsprüfung gemäß DIN EN 60079-7

- Polyamide mounting bracket 80x30x20mm (PA with 30% fiber glass)

>> High voltage test acc. to DIN EN 60079-7

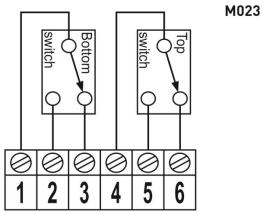
Endschalterbox, wave, Vestamid, 2x mechanisch, SPDT

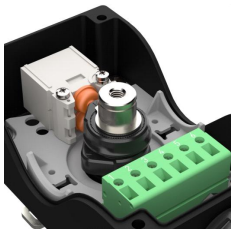
Limit switch box, wave, Vestamid, 2x mechanical, SPDT

Artikelnummer Part number	**EVE2M01-551-ED**
Endschaltertyp Switch type	BARTEC, 07-1511-1030
Spannung/Strom Voltage/Current	Ue: 250V, Ie: 4A AC, 400mA DC
IP-Schutz IP protection	IP66
SIL Level SIL level	SIL 1-3
Umgebungstemperatur Ambient temperature	-20...+40°C
Gehäuse Material Housing material	Vestamid, Grilamid, EPDM, NBR
Anschlüsse Connections	1x M20x1,5 Ex e
Ex Bescheinigung Ex document	IBExU 12 ATEX 1022 X IECEx IBE 13.0041X
Kennzeichnung Marking	II 2G Ex db eb IIC T6 Gb II 2D Ex tb IIIC T80°C Db
Ex Zone Ex zone	Zone 1, 21

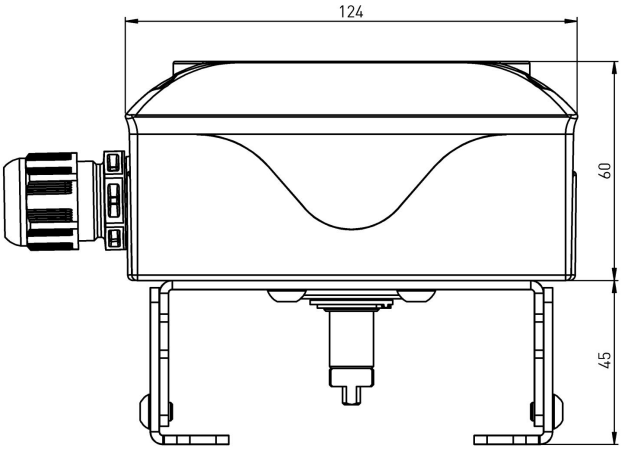


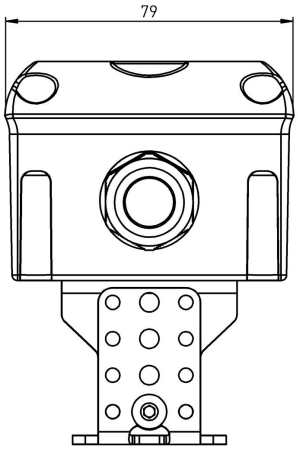
Klemmplan Wiring diagram





Maßzeichnung Dimensions





Enthaltenes Zubehör Included Accessories

-MBH01	**Edelstahl-Montagebrücke, verstellbar, 80x30x20mm (1.4301)** Stainless steel bracket, adjustable, 80x30x20mm (AISI 304)

Besonderheiten Extras

>> Hochspannungsprüfung gemäß DIN EN 60079-7

>> High voltage test acc. to DIN EN 60079-7

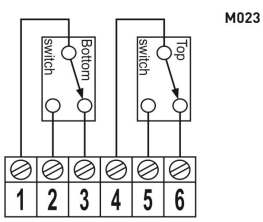
Endschalterbox, wave, Aluminium, 2x mechanisch, SPDT

Limit switch box, wave, Aluminum, 2x mechanical, SPDT



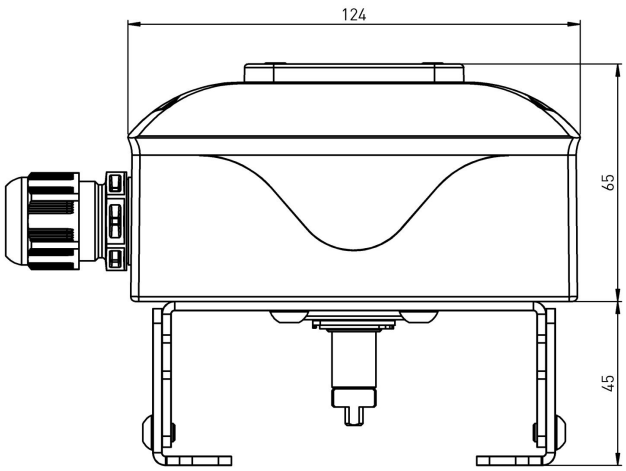
Artikelnummer Part number	**EAE2M01-551-ED**
Endschaltertyp Switch type	BARTEC, 07-1511-1030
Spannung/Strom Voltage/Current	Ue: 250V, Ie: 4A AC, 400mA DC
IP-Schutz IP protection	IP66/IP67
SIL Level SIL level	SIL 1-3
Umgebungstemperatur Ambient temperature	-20...+60°C
Gehäuse Material Housing material	Aluminium, PC, EPDM, NBR
Anschlüsse Connections	1x M20x1,5 Ex e
Ex Bescheinigung Ex document	IBExU 12 ATEX 1022 X IECEx IBE 13.0041X
Kennzeichnung Marking	II 2G Ex db eb IIC T6 Gb II 2D Ex tb IIIC T80°C Db
Ex Zone Ex zone	Zone 1, 21

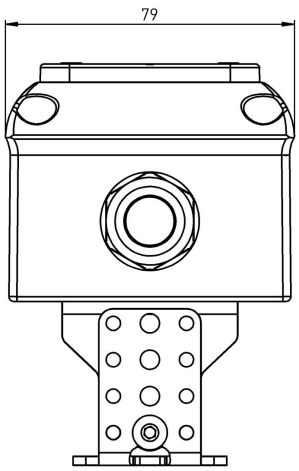
Klemmplan Wiring diagram





MaßzeichnungDimensions





Enthaltenes Zubehör Included Accessories

-MBH01 **Edelstahl-Montagebrücke, verstellbar, 80x30x20mm (1.4301)**
Stainless steel bracket, adjustable, 80x30x20mm (AISI 304)

Besonderheiten Extras

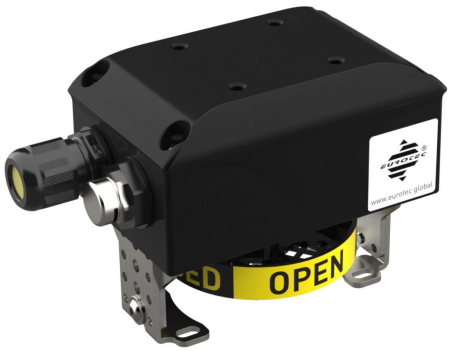
>> Hochspannungsprüfung gemäß DIN EN 60079-7

>> High voltage test acc. to DIN EN 60079-7

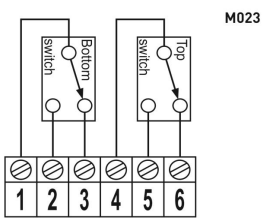
Endschalterbox, wave, Aluminium, 2x mechanisch, SPDT

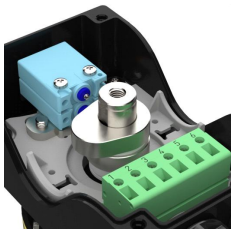
Limit switch box, wave, Aluminum, 2x mechanical, SPDT

Artikelnummer Part number	**EAE2M01-388-ED-40°C**
Endschaltertyp Switch type	CROUZET, 83139 1
Spannung/Strom Voltage/Current	Ue: 250V Ie: 4A AC, 150mA DC
IP-Schutz IP protection	IP66/IP67
SIL Level SIL level	SIL 1-3
Umgebungstemperatur Ambient temperature	-40...+60°C
Gehäuse Material Housing material	Aluminium, EPDM, MVQ, PTFE
Anschlüsse Connections	1x M20x1,5, Ex e
Ex Bescheinigung Ex document	IBExU 12 ATEX 1022 X IECEx IBE 13.0041X
Kennzeichnung Marking	II 2G Ex db eb IIC T6 Gb II 2D Ex tb IIIC T80°C Db
Ex Zone Ex zone	Zone 1, 21

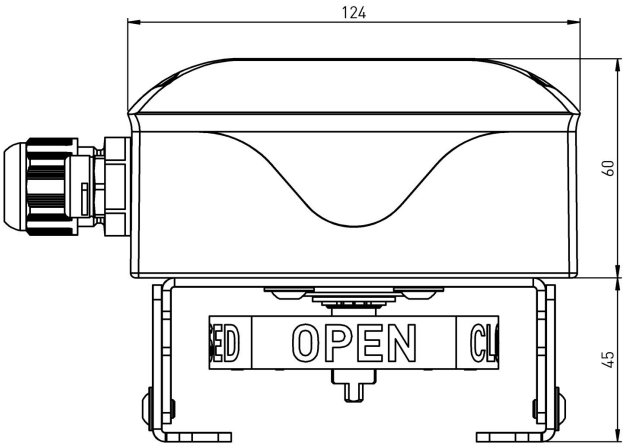


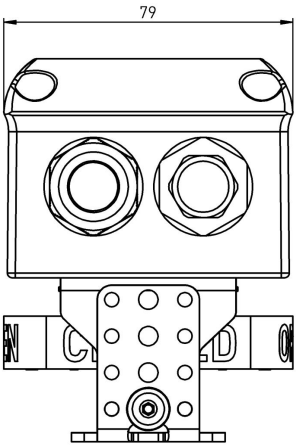
Klemmplan Wiring diagram





MaßzeichnungDimensions





Enthaltenes Zubehör Included Accessories

-MBH01	**Edelstahl-Montagebrücke, verstellbar, 80x30x20mm (1.4301)** Stainless steel bracket, adjustable, 80x30x20mm (AISI 304)

Besonderheiten Extras

- Deckel ohne Sichtfenster
- OPEN-CLOSED Anzeige unter der Box
- Druckausgleichselement Ex e
- Betätiger: Stahl verzinkt, Welle mit Silikon Dichtungen

>> Hochspannungsprüfung gemäß DIN EN 60079-7

- Cover without indication window
- OPEN-CLOSED indicator below the box
- Venting element Ex e
- Cams galvanised steel, shaft with silicone sealings

>> High voltage test acc. to DIN EN 60079-7

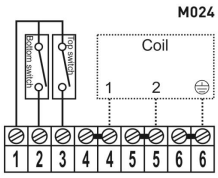
Endschalterbox, wave, Vestamid, 2x mechanisch, SPST NO

Limit switch box, wave, Vestamid, 2x mechanical, SPST NO



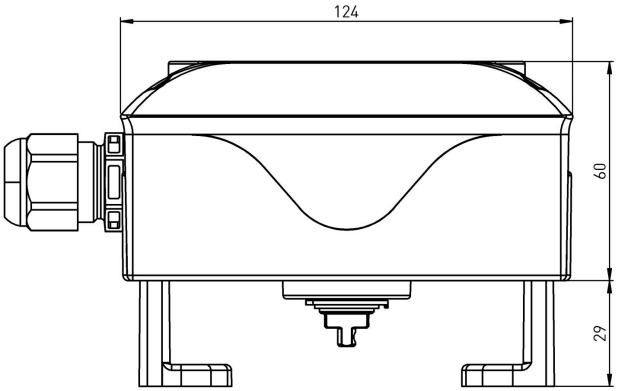
Artikelnummer Part number	**EVP2M01-552-ED-2KV**
Endschaltertyp Switch type	BARTEC, 07-1511-1020
Spannung/Strom Voltage/Current	Ue: 24V Ie: 4A AC, 150mA DC
IP-Schutz IP protection	IP66
SIL Level SIL level	SIL 1-3
Umgebungstemperatur Ambient temperature	-20…+40°C
Gehäuse Material Housing material	Vestamid, Grilamid, EPDM, NBR
Anschlüsse Connections	2x M20x1,5 Ex e
Ex Bescheinigung Ex document	IBExU 12 ATEX 1022 X IECEx IBE 13.0041X
Kennzeichnung Marking	II 2G Ex db eb IIC T6 Gb II 2D Ex tb IIIC T80°C Db
Ex Zone Ex zone	Zone 1, 21

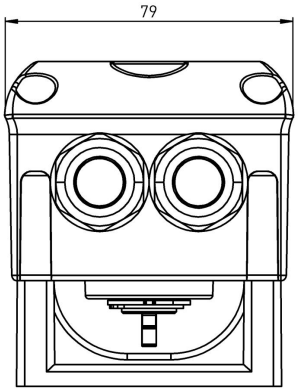
Klemmplan Wiring diagram





Maßzeichnung Dimensions





Enthaltenes Zubehör Included Accessories

-2KV Ex e (-ED SPST NO)

2x Kabelverschraubung M20x1,5, Ex e, schwarz
Anklemmmöglichkeit für 1 Ex m Spule
2x cable gland M20x1,5, Ex e, black
Possible solenoid valve connection for 1 Ex m coil

Besonderheiten Extras

- Polyamid-Montagebrücke 80x30x20mm (PA mit 30% Glasfaser)

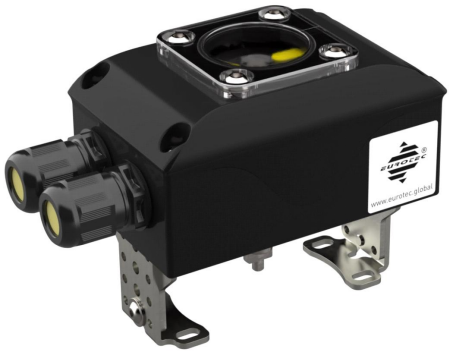
>> Hochspannungsprüfung gemäß DIN EN 60079-7

- Polyamide mounting bracket 80x30x20mm (PA with 30% fiber glass)

>> High voltage test acc. to DIN EN 60079-7

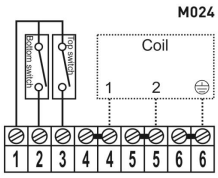
Endschalterbox, wave, Aluminium, 2x mechanisch, SPST NO

Limit switch box, wave, Aluminum, 2x mechanical, SPST NO



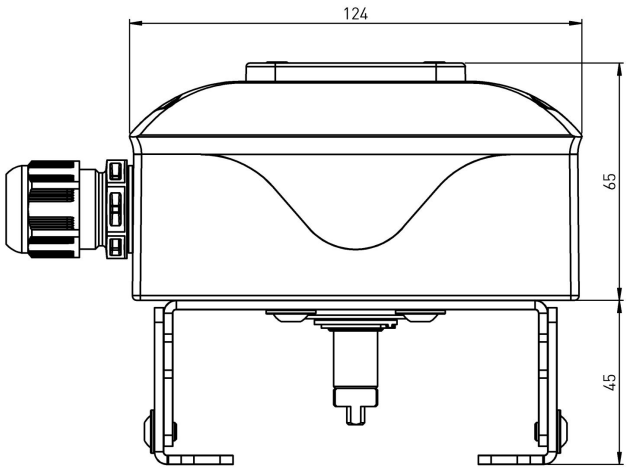
Artikelnummer Part number	**EAE2M01-552-ED-2KV**
Endschaltertyp Switch type	BARTEC, 07-1511-1020
Spannung/Strom Voltage/Current	Ue: 24V Ie: 4A AC, 150mA DC
IP-Schutz IP protection	IP66/IP67
SIL Level SIL level	SIL 1-3
Umgebungstemperatur Ambient temperature	-20...+60°C
Gehäuse Material Housing material	Aluminium, PC, EPDM, NBR
Anschlüsse Connections	2x M20x1,5 Ex e
Ex Bescheinigung Ex document	IBExU 12 ATEX 1022 X IECEx IBE 13.0041X
Kennzeichnung Marking	II 2G Ex db eb IIC T6 Gb II 2D Ex tb IIIC T80°C Db
Ex Zone Ex zone	Zone 1, 21

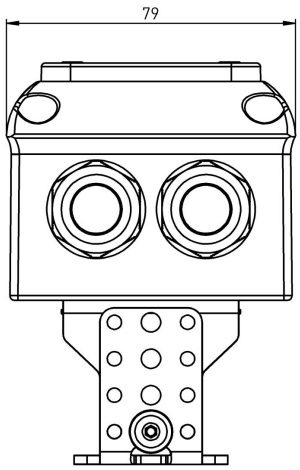
Klemmplan Wiring diagram





MaßzeichnungDimensions





Enthaltenes Zubehör Included Accessories

-MBH01	**Edelstahl-Montagebrücke, verstellbar, 80x30x20mm (1.4301)** Stainless steel bracket, adjustable, 80x30x20mm (AISI 304)
-2KV Ex e (-ED SPST NO)	**2x Kabelverschraubung M20x1,5, Ex e, schwarz** **Anklemmmöglichkeit für 1 Ex m Spule** 2x cable gland M20x1,5, Ex e, black Possible solenoid valve connection for 1 Ex m coil

Besonderheiten Extras

- 2x Kabelverschraubung M20x1,5 schwarz, Ex e
- Klemme: 9-polig, grün, Ex e, Pole überbrückt: 4-4 / 5-5 / 6-6
zum Anschluss einer Ex m Spule (max. 24V DC, max. 4A, min. 0,5qmm)

>> Hochspannungsprüfung gemäß DIN EN 60079-7

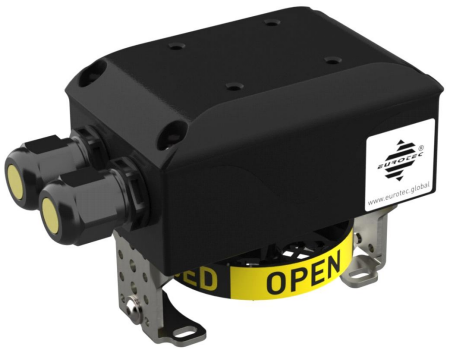
- 2x cable gland M20x1,5 black, Ex e
- Terminal block: 9-pole, green, Ex e bridged: 4-4 / 5-5 / 6-6
for Ex m coil connection (max. 24V DC, max. 4A, min 0,5qmm)

>> High voltage test acc. to DIN EN 60079-7

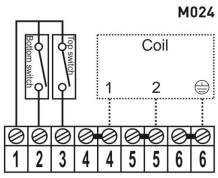
Endschalterbox, wave, Aluminium, 2x mechanisch, SPST NO

Limit switch box, wave, Aluminum, 2x mechanical, SPST NO

Artikelnummer Part number	**EAE2M01-555-ED-50°C-2KV**
Endschaltertyp Switch type	BARTEC, 07-1511-5520, 250V
Spannung/Strom Voltage/Current	Ue: 24V Ie: 400mA AC/DC
IP-Schutz IP protection	IP66/IP67
SIL Level SIL level	
Umgebungstemperatur Ambient temperature	-50...+60°C
Gehäuse Material Housing material	Aluminium, MVQ, PTFE
Anschlüsse Connections	2x M20x1,5 Ex e
Ex Bescheinigung Ex document	IBExU 12 ATEX 1022 X IECEx IBE 13.0041X
Kennzeichnung Marking	II 2G Ex db eb IIC T6 Gb II 2D Ex tb IIIC T80°C Db
Ex Zone Ex zone	Zone 1, 21

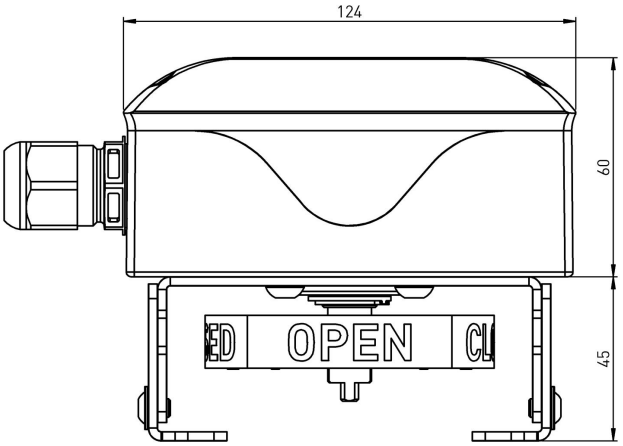


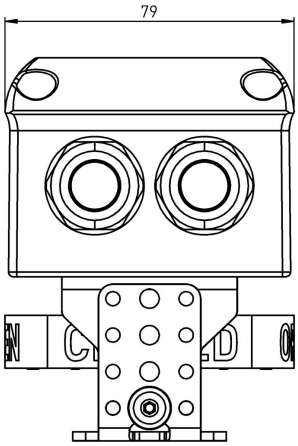
Klemmplan Wiring diagram





MaßzeichnungDimensions





Enthaltenes Zubehör Included Accessories

-MBH01	**Edelstahl-Montagebrücke, verstellbar, 80x30x20mm (1.4301)** Stainless steel bracket, adjustable, 80x30x20mm (AISI 304)
-2KV Ex e (-ED SPST NO)	**2x Kabelverschraubung M20x1,5, Ex e, schwarz** **Anklemmmöglichkeit für 1 Ex m Spule** 2x cable gland M20x1,5, Ex e, black Possible solenoid valve connection for 1 Ex m coil

Besonderheiten Extras

- Deckel ohne Sichtfenster, mit Silikondichtung
- OPEN-CLOSED Anzeige unter der Box
- Ex d Schalter, 2-Draht, Schließer
- 2x Tieftemp.-Kabelverschraubung M20x1,5 schwarz, Ex e (-60°C)
- Klemme: 9-polig, grün, Ex e, Pole überbrückt: 4-4 / 5-5 / 6-6,
zum Anschluss einer Ex m Spule (max. 24V DC, 4A, min. 0,5 qmm)
- Edelstahl-Welle mit O-Ringen aus Silikon
- Betätiger Stahl verzinkt

>> Hochspannungsprüfung gemäß DIN EN 60079-7

- Cover without indication window, with silicone sealing
- OPEN-CLOSED indicator below the box
- Switches Ex d, 2-wire, normally open
- 2x low temp. cable gland M20x1,5 black, Ex e (-60°C)
- Terminal block: 9-pole, green, Ex e bridged: 4-4 / 5-5 / 6-6
  for Ex m coil connection (max. 24V DC, max. 4A, min. 0,5qmm)
- Stainless steel shaft with silicone o-rings
- Cams made of galvanised steel

>> High voltage test acc. to DIN EN 60079-7

Zündschutzart Ex t (-K2D)

Die wave „K2D“ Endschalterbox ist für den Einsatz in staubexplosionsgefährdeten Bereichen der Zone 22 konzipiert und verfügt über die Zündschutzart Ex t (Schutz durch Gehäuse). Sie schützt die eingebauten Schaltelemente zuverlässig vor dem Eindringen von Staub und bietet so eine einfache, robuste und wirtschaftliche Lösung für Anwendungen mit mittlerem Gefährdungspotenzial.
Die kompakte Bauform, die hohe Schutzart und das praxisgerechte Design machen die „K2D“ zur idealen Wahl für Standardanwendungen in staubbelasteten Industrieumgebungen.

Geeignet für:
Zone 21, Zone 22
II 2D Ex tb IIIC T80 °C Db
II 3D Ex tc IIIC T80 °C Dc

Protection type Ex t (-K2D)

The wave “K2D” limit switch box is designed for use in dust explosion hazardous areas classified as Zone 22 and features the Ex t (protection by enclosure) type of protection. It reliably protects the internal switching elements against dust ingress, offering a simple, robust, and cost-effective solution for applications with moderate hazard potential. Its compact design, high protection rating, and practical construction make the “K2D” an ideal choice for standard applications in dust-laden industrial environments.

Suitable for:
Zone 21, Zone 22
II 2D Ex tb IIIC T80 °C Db
II 3D Ex tc IIIC T80 °C Dc

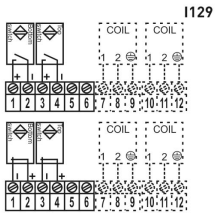
Endschalterbox, wave, Vestamid, 2x induktiv V3, 2-Draht

Limit switch box, wave, Vestamid, 2x proximity, 2-wire



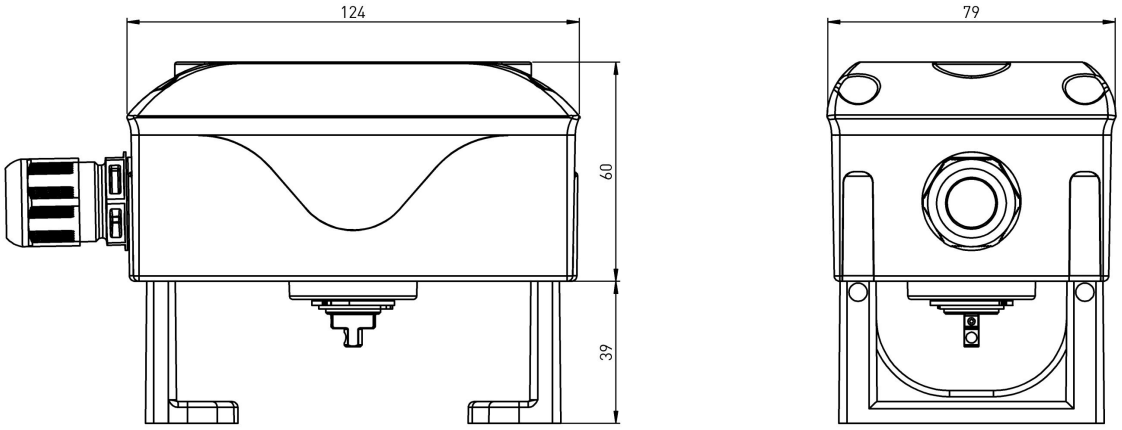
Artikelnummer Part number	**EVP2I02-19-K2D**
Endschaltertyp Switch type	IFM, IS5026
Spannung/Strom Voltage/Current	5-36V DC, 0-200mA, PNP/NPN NO/NC
IP-Schutz IP protection	IP66
SIL Level SIL level	SIL 1-3
Umgebungstemperatur Ambient temperature	-20...+40°C
Gehäuse Material Housing material	Vestamid, Grilamid, EPDM, NBR
Anschlüsse Connections	1x M20x1,5 Ex e
Ex Bescheinigung Ex document	IBExU 12 ATEX 1022 X IECEx IBE 13.0041X
Kennzeichnung Marking	II 2D Ex tb IIIC T80°C Db II 3D Ex tc IIIC T80°C Dc
Eigensicherheit Intrinsic Safety	Pmax: 2,5W
Ex Zone Ex zone	Zone 21, 22

Klemmplan Wiring diagram





MaßzeichnungDimensions



Enthaltenes Zubehör Included Accessories

Besonderheiten Extras

- Polyamid-Montagebrücke 80x30x30mm (PA mit 30% Glasfaser)

- Polyamide mounting bracket 80x30x30mm (PA with 30% fiber glass)

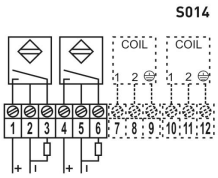
Endschalterbox, wave, Vestamid, 2x Schlitz, 3-Draht

Limit switch box, wave, Vestamid, 2x slot type, 3-wire



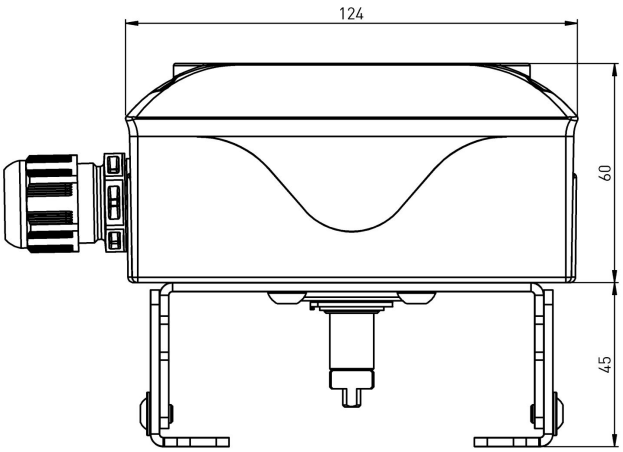
Artikelnummer Part number	**EVE2S01-25-K2D**
Endschaltertyp Switch type	P+F, SB3,5-E2
Spannung/Strom Voltage/Current	10-30V DC, 0-100mA, PNP NO
IP-Schutz IP protection	IP66
SIL Level SIL level	SIL 1-3
Umgebungstemperatur Ambient temperature	-20...+40°C
Gehäuse Material Housing material	Vestamid, Grilamid, EPDM, NBR
Anschlüsse Connections	1x M20x 1,5 Ex e
Ex Bescheinigung Ex document	IBExU 12 ATEX 1022 X IECEx IBE 13.0041X
Kennzeichnung Marking	II 2D Ex tb IIIC T80°C Db II 3D Ex tc IIIC T80°C Dc
Eigensicherheit Intrinsic Safety	Pmax: 2,5W
Ex Zone Ex zone	Zone 21, 22

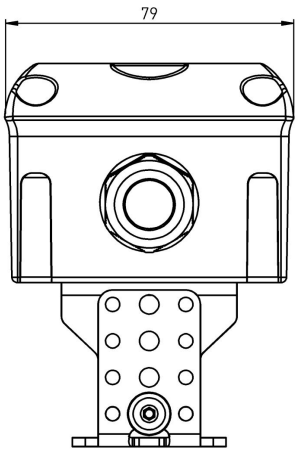
Klemmplan Wiring diagram





MaßzeichnungDimensions





Enthaltenes Zubehör Included Accessories

-MBH01 **Edelstahl-Montagebrücke, verstellbar, 80x30x20mm (1.4301)**
Stainless steel bracket, adjustable, 80x30x20mm (AISI 304)

Besonderheiten Extras

- Betätigungssystem mit Verzahnung, Endlagen bedämpft

- Interlocking activation system, end-positions activated

Zündschutzart Ex ec / Ex tc (-K3-K2D)

Die Endschalterboxen der Serie wave „K3-K2D“ wurden speziell für den Einsatz in explosionsgefährdeten Bereichen der Zone 2 und Zone 22 entwickelt.
Die in der Box verbauten Sensoren sind gemäß Ex ec (geringes Risiko) zertifiziert und für den Betrieb in Gas-Ex-Zonen der Kategorie 3G ausgelegt. Das Gehäuse selbst entspricht der Zündschutzart Ex t für den Einsatz in staubexplosionsgefährdeten Bereichen (Zone 22) und schützt zuverlässig vor dem Eindringen von Staub und festen Fremdkörpern. Besonderes Augenmerk wurde auf die korrekte Einhaltung der Trenn- und Luftstrecken an den Klemmen gelegt, um den sicheren Anschluss und Betrieb zu gewährleisten – ganz ohne zusätzliche Barrieren oder externe Schutzmaßnahmen. Diese Kombination ist die ideale Lösung für Anwendungen mit mittleren Sicherheitsanforderungen und hoher Praxistauglichkeit.

Geeignet für:
Zone 2, Zone 22
II 3G Ex ec IIC T6 Gc X
II 3D Ex tc IIIC T80°C Dc X

Protection type Ex ec / Ex tc (-K3-K2D)

The wave“K3-K2D” series limit switch boxes are specifically designed for use in hazardous areas classified as Zone 2 and Zone 22.
The integrated sensors are certified according to Ex ec (enhanced safety, low risk) and are suitable for operation in gas explosion hazardous areas of Category 3G. The enclosure itself complies with the Ex t protection type, making it suitable for dust explosion hazardous areas (Zone 22) and providing reliable protection against the ingress of dust and solid foreign objects. Special attention has been given to maintaining proper clearance and creepage distances at the terminals, ensuring safe connection and operation—without the need for additional barriers or external protective devices.
This combination offers an ideal solution for applications with moderate safety requirements and high practical reliability.

Suitable for:
Zone 2, Zone 22
II 3G Ex ec IIC T6 Gc X
II 3D Ex tc IIIC T80°C Dc X

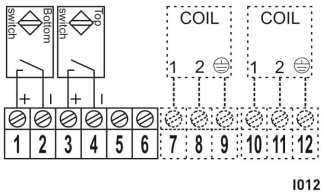
Endschalterbox, wave, Vestamid, 2x induktiv V3, 2-Draht

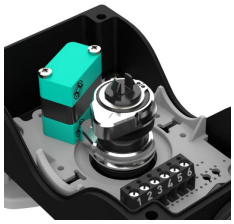
Limit switch box, wave, Vestamid, 2x proximity V3, 2-wire

Artikelnummer Part number	**EVP2I01-247-K3-K2D**
Endschaltertyp Switch type	P+F, NBB3-V3-Z4-3G-3D
Spannung/Strom Voltage/Current	5-60V DC, 4-100mA, NO
IP-Schutz IP protection	IP66
SIL Level SIL level	SIL 1-3
Umgebungstemperatur Ambient temperature	-20…+40°C
Gehäuse Material Housing material	Vestamid, Grilamid, EPDM, NBR
Anschlüsse Connections	1x M20x1,5, Ex e
Ex Bescheinigung Ex document	Declaration of Conformity IBExU 12 ATEX 1022 X (K2D)
Kennzeichnung Marking	II 3G Ex ec IIC T6 Gc X II 2D Ex tc IIIC T80°C Db X
Eigensicherheit Intrinsic Safety	Pmax: 2,5W
Ex Zone Ex zone	Zone 2, 21, 22

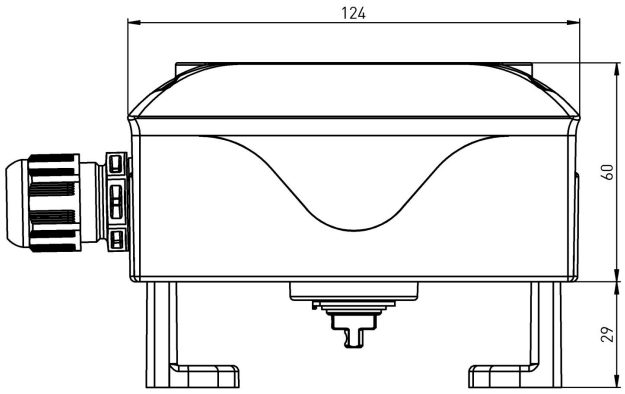


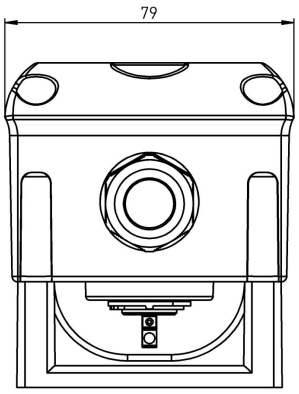
Klemmplan Wiring diagram





MaßzeichnungDimensions





Enthaltenes Zubehör Included Accessories

Besonderheiten Extras

- Polyamid-Montagebrücke 80x30x20mm (PA mit 30% Glasfaser)

>> Hochspannungsprüfung gemäß DIN EN 60079-7

- Polyamide mounting bracket 80x30x20mm (PA with 30% fiber glass)

>> High voltage test acc. to DIN EN 60079-7

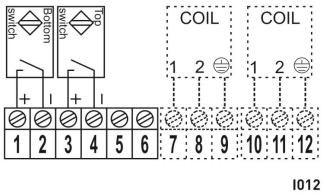
Endschalterbox, wave, Vestamid, 2x induktiv V3, 2-Draht

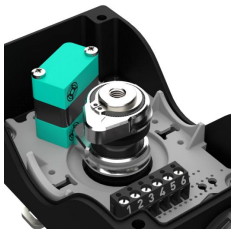
Limit switch box, wave, Vestamid, 2x proximity V3, 2-wire



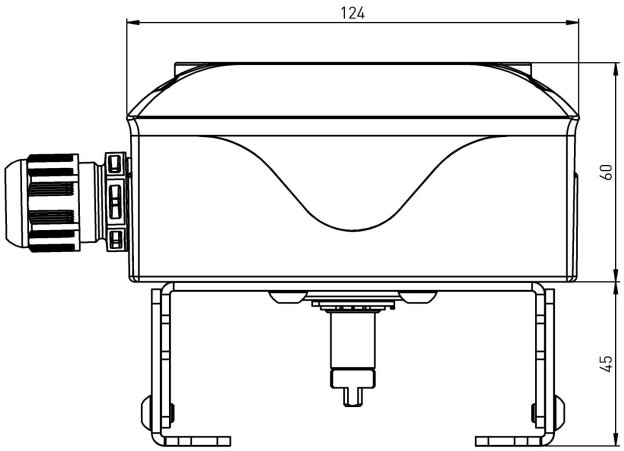
Artikelnummer Part number	**EVE2I01-247-K3-K2D**
Endschaltertyp Switch type	P+F, NBB3-V3-Z4-3G-3D
Spannung/Strom Voltage/Current	5-60V DC, 4-100mA, NO
IP-Schutz IP protection	IP66
SIL Level SIL level	SIL 1-3
Umgebungstemperatur Ambient temperature	-20…+40°C
Gehäuse Material Housing material	Vestamid, Grilamid, EPDM, NBR
Anschlüsse Connections	1x M20x1,5, Ex e
Ex Bescheinigung Ex document	Declaration of Conformity IBExU 12 ATEX 1022 X (K2D)
Kennzeichnung Marking	II 3G Ex ec IIC T6 Gc X II 2D Ex tc IIIC T80°C Db X
Eigensicherheit Intrinsic Safety	Pmax: 2,5W
Ex Zone Ex zone	Zone 2, 21, 22

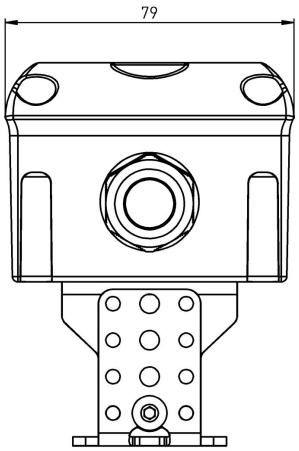
Klemmplan Wiring diagram





MaßzeichnungDimensions





Enthaltenes Zubehör Included Accessories

-MBH01	**Edelstahl-Montagebrücke, verstellbar, 80x30x20mm (1.4301)** Stainless steel bracket, adjustable, 80x30x20mm (AISI 304)

Besonderheiten Extras

>> Hochspannungsprüfung gemäß DIN EN 60079-7

>> High voltage test acc. to DIN EN 60079-7

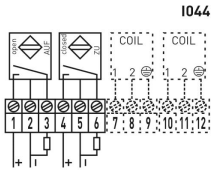
Endschalterbox, wave, Vestamid, 2x induktiv V3, 3-Draht

Limit switch box, wave, Vestamid, 2x proximity, V3, 3-wire

Artikelnummer Part number	**EVP2I01-356-K3-K2D**
Endschaltertyp Switch type	P+F, NBB2-V3-E2-3G-3D
Spannung/Strom Voltage/Current	10-30V DC, 0-100mA, PNP NO
IP-Schutz IP protection	IP66
SIL Level SIL level	SIL 1-3
Umgebungstemperatur Ambient temperature	-20…+40°C
Gehäuse Material Housing material	Vestamid, Grilamid, EPDM, NBR
Anschlüsse Connections	1x M20x1,5, Ex e
Ex Bescheinigung Ex document	Declaration of Conformity IBExU 12 ATEX 1022 X (K2D)
Kennzeichnung Marking	II 3G Ex ec IIC T6 Gc X II 2D Ex tc IIIC T80°C Db X
Eigensicherheit Intrinsic Safety	Pmax: 2,5W
Ex Zone Ex zone	Zone 2, 21, 22

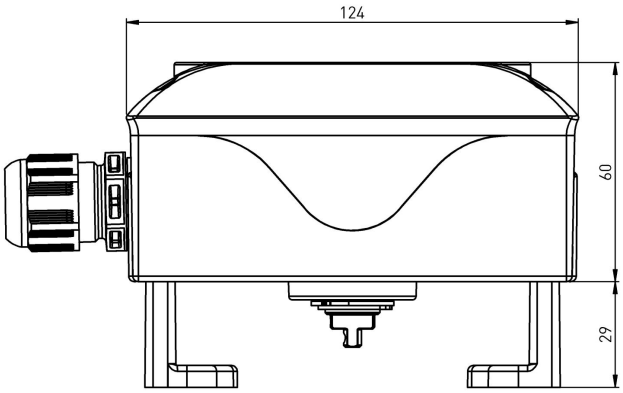


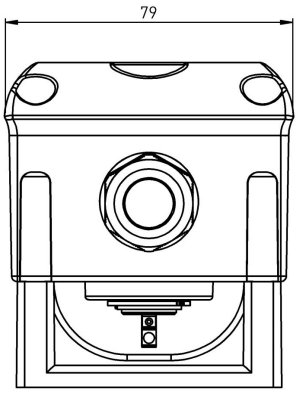
Klemmplan Wiring diagram





MaßzeichnungDimensions





Enthaltenes Zubehör Included Accessories

Besonderheiten Extras

- Polyamid-Montagebrücke 80x30x20mm (PA mit 30% Glasfaser)

>> Hochspannungsprüfung gemäß DIN EN 60079-7

- Polyamide mounting bracket 80x30x20mm (PA with 30% fiber glass)

>> High voltage test acc. to DIN EN 60079-7

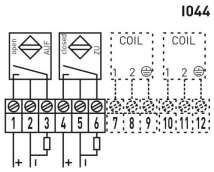
Endschalterbox, wave, Vestamid, 2x induktiv V3, 3-Draht

Limit switch box, wave, Vestamid, 2x proximity V3, 3-wire

Artikelnummer Part number	**EVE2I01-356-K3-K2D**
Endschaltertyp Switch type	P+F, NBB2-V3-E2-3G-3D
Spannung/Strom Voltage/Current	10-30V DC, 0-100mA, PNP NO
IP-Schutz IP protection	IP66
SIL Level SIL level	SIL 1-3
Umgebungstemperatur Ambient temperature	-20…+40°C
Gehäuse Material Housing material	Vestamid, Grilamid, EPDM, NBR
Anschlüsse Connections	1x M20x1,5 Ex e
Ex Bescheinigung Ex document	Declaration of Conformity IBExU 12 ATEX 1022 X (K2D)
Kennzeichnung Marking	II 3G Ex ec IIC T6 Gc X II 2D Ex tc IIIC T80°C Db X
Eigensicherheit Intrinsic Safety	Pmax: 2,5W
Ex Zone Ex zone	Zone 2, 21, 22

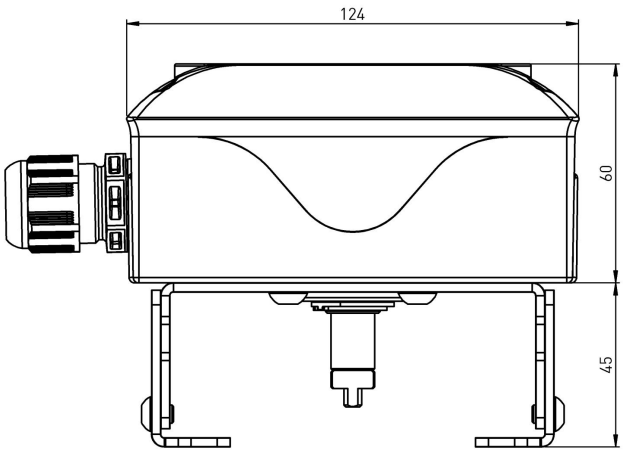


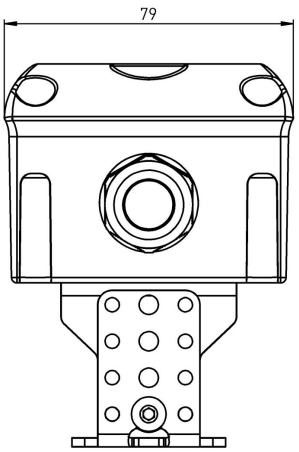
Klemmplan Wiring diagram





MaßzeichnungDimensions





Enthaltenes Zubehör Included Accessories

-MBH01	**Edelstahl-Montagebrücke, verstellbar, 80x30x20mm (1.4301)** Stainless steel bracket, adjustable, 80x30x20mm (AISI 304)

Besonderheiten Extras

>> Hochspannungsprüfung gemäß DIN EN 60079-7

>> High voltage test acc. to DIN EN 60079-7

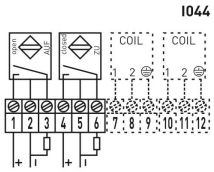
Endschalterbox, wave, Aluminium, 2x induktiv V3, 3-Draht

Limit switch box, wave, Aluminum, 2x proximity V3, 3-wire



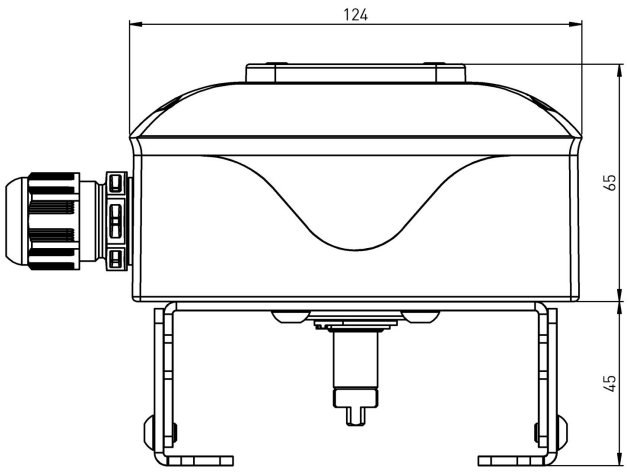
Artikelnummer Part number	**EAE2I01-356-K3-K2D**
Endschaltertyp Switch type	P+F, NBB2-V3-E2-3G-3D
Spannung/Strom Voltage/Current	10-30V DC, 0-100mA, PNP NO
IP-Schutz IP protection	IP66/IP67
SIL Level SIL level	SIL 1-3
Umgebungstemperatur Ambient temperature	-20...+46°C (30mA, 30V)
Gehäuse Material Housing material	Aluminium, PC, EPDM, NBR
Anschlüsse Connections	1x M20x1,5 Ex e
Ex Bescheinigung Ex document	Declaration of Conformity IBExU 12 ATEX 1022 X (K2D)
Kennzeichnung Marking	II 3G Ex ec IIC T6 Gc X II 2D Ex tc IIIC T80°C Db X
Eigensicherheit Intrinsic Safety	Pmax: 2,5W
Ex Zone Ex zone	Zone 2, 21, 22

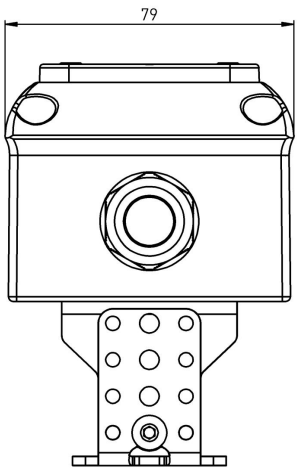
Klemmplan Wiring diagram





MaßzeichnungDimensions





Enthaltenes Zubehör Included Accessories

-MBH01	**Edelstahl-Montagebrücke, verstellbar, 80x30x20mm (1.4301)** Stainless steel bracket, adjustable, 80x30x20mm (AISI 304)

Besonderheiten Extras

>> Hochspannungsprüfung gemäß DIN EN 60079-7

>> High voltage test acc. to DIN EN 60079-7

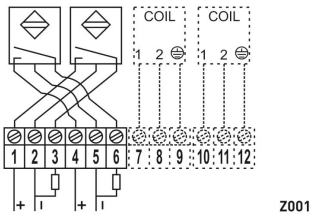
Endschalterbox, wave, Vestamid, 2x induktiv M12, 3-Draht

Limit switch box, wave, Vestamid, 2x proximity M12, 3-wire



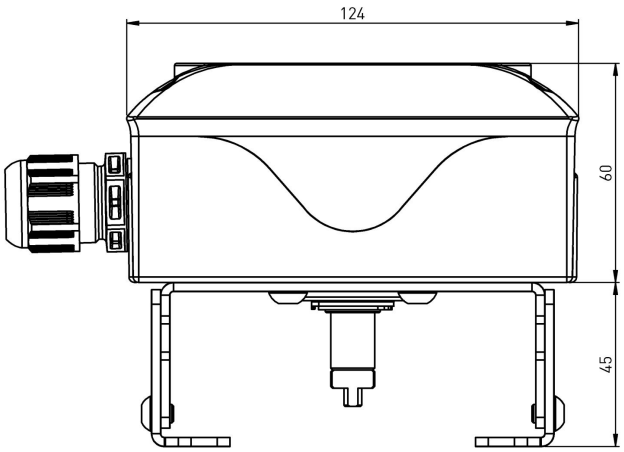
Artikelnummer Part number	**EVE2I01-369-K3-K2D**
Endschaltertyp Switch type	P+F, NBB4-12GM50-E2-3G-3D
Spannung/Strom Voltage/Current	10-30V DC, 200mA, PNP NO
IP-Schutz IP protection	IP66
SIL Level SIL level	SIL 1-3
Umgebungstemperatur Ambient temperature	-20...+40°C
Gehäuse Material Housing material	Vestamid, Grilamid, EPDM, NBR
Anschlüsse Connections	1x M20x1,5, Ex e
Ex Bescheinigung Ex document	TÜV 20 ATEX 8523 X IBExU 12 ATEX 1022 X (K2D)
Kennzeichnung Marking	II 3G Ex ec IIC T6 Gc X II 2D Ex tc IIIC T80°C Db X
Eigensicherheit Intrinsic Safety	Pmax: 2,5W
Ex Zone Ex zone	Zone 2, 21, 22

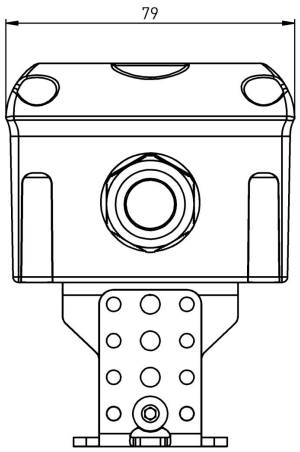
Klemmplan Wiring diagram





MaßzeichnungDimensions





Enthaltenes Zubehör Included Accessories

-MBH01	**Edelstahl-Montagebrücke, verstellbar, 80x30x20mm (1.4301)** Stainless steel bracket, adjustable, 80x30x20mm (AISI 304)

Besonderheiten Extras

>> Hochspannungsprüfung gemäß DIN EN 60079-7

>> High voltage test acc. to DIN EN 60079-7

Optionen und Zubehör Options and accessories

Optische Anzeigen Visual indicators

Standard



2D Anzeige im Gehäuse, mit möglicher Visualisierung der Stellung von 2-wege oder 3-wege Kugelhähnen (T / L)
2D indicator inside the housing with the option to indicate positions of 2-way or 3-way ball valves (T/L)
Für Gehäusetyp For housing type:
EPP, EPE, EVP, EVE, EAE

-3D



3D Anzeige im Gehäuse, mit möglicher Visualisierung der Stellung von 2-wege oder 3-wege Kugelhähnen (T / L)
3D indicator inside the housing with the option to indicate positions of 2-way or 3-way ball valves (T / L)
Für Gehäusetyp For housing type:
EPP, EPE, EVP*, EVE*, EAE

*reduzierter Ex-Schutz: IIB / Reduced Ex approval: IIB

-OCT



OPEN-CLOSED Tower-Anzeige (gelb-schwarz*) im Gehäusedeckel für 90° Schwenkbereich,
OPEN-CLOSED Tower visual indicator (yellow-black*) inside the cover for 90° swivel range

Für Gehäusetyp For housing type:
EPP, EPE, EVP**, EVE**, EAE
*WeitereFarbenaufAnfrage / Further colorsupon request.
**reduzierter Ex-Schutz: IIB / Reduced Ex approval: IIB

-OC



OPEN-CLOSED Anzeige (gelb-schwarz*) unter der Box, für 90° Schwenkbereich
OPEN-CLOSED (yellow-black*) visual indicator below the box, for 90° swivel range
Für Gehäusetyp For housing type:

EPE, EVE, EAE

*Weitere Farben auf Anfrage / Further colors upon request.

-LED



LED Anzeige im Gehäuse, orange-grün, max. 24V DC*
LED Indicator inside the housing, orange-green, max. 24V DC*

*Nicht für den Ex-Bereich erhältlich
Not available for Ex applications

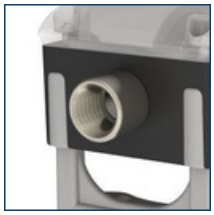
Anschlüsse Connections

-2K20



2 Kabelverschraubungen M20x1,5
Eigenes Kabel je Sensor eingeführt, kein Magnetventilanschluss möglich.
2 cable glands M20x1,5
Separate cable per sensor fitted, no solenoid valve connection possible.

-NPT1/2



Gewindeanschluss NPT 1/2*
Thread connection NPT 1/2

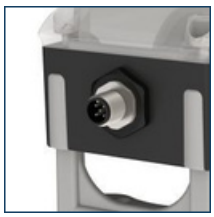
*Weitere Varianten auf Anfrage erhältlich
Additional versions available upon request

-M124P



M12-Steckverbindung 4-polig, männlich für schnelles und einfaches Anschließen
M12 plug connector 4 polar, male, for quick and simple connection

-M12



M12-Steckverbindung 5-polig, männlich für schnelles und einfaches Anschließen M12 plug connector 5 polar, male, for quick and simple connection

-M128P



M12-Steckverbindung 8-polig, männlich für schnelles und einfaches Anschließen
M12 plug connector 8 polar, male, for quick and simple connection

Optionen und Zubehör Options and accessories

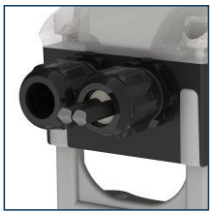
Magnetventilanschlüsse Solenoid valve connections

-MA



Magnetventilanschluss für 1 Spule über vorkonfektioniertes Kabel mit 500mm Länge
Solenoid valve connection for 1 coil with 500mm long pre-assembled cable

-2MA



Magnetventilanschluss für 2 Spulen über vorkonfektioniertes Kabel mit 500mm Länge
Solenoid valve connection for 2 coils with 500mm long pre-assembled cable

-2KV



2 Kabelverschraubungen M20x1,5
Mit zusätzlichen Klemmen für optionales Anschließen einer Magnetspule
2 cable glands M20x1,5
Additional terminal poles for a subsequent connection of a solenoid coil

-MA12



M12-Steckverbindung 5-polig, weiblich, für schnelles und einfaches Anschließen einer Magnetspule
M12 plug connector 5 polar, female, for quick and simple connection of a solenoid coil

AS-i Anschluss AS-i interface

-ASI



Für die Anbindung als Slave im AS-i Netz
Mit M12-Steckverbindung, 4-polig, statt Kabelverschraubung
For the connection as slave in the AS-i net
With M12 plug connection, 4-pole, instead of cable gland

E75005



AS-i Flachkabelklemme für die Einbindung der Box in das AS-i Netzwerk
AS-i flat cable connector for the connection of the i-box to the AS-i network

1435195



AS-i Verbindungskabel für den Anschluss von 1 Magnetspule an die Box (nur Spulen mit 24V DC und max. 2,4W)
AS-i connection cable for the connection of 1 solenoid coil to the box
(only coils with 24V DC and max. 2,4W)

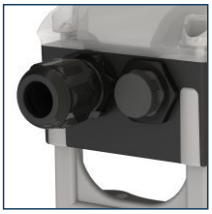
1458473 + 1454516



AS-i Verbindungskabel für den Anschluss von 2 Magnetspulen an die Box (nur Spulen mit 24V DC und max. 2,4W)
AS-i connection cable for the connection of 2 solenoid coils to the box
(only coils with 24V DC and max. 2,4W)

Weitere Optionen Additional options

-DAE



Für Einsatz im Freien, Druckausgleichselement zur Vermeidung von Kondenswasserbildung im Boxengehäuse
For outdoor use, venting screw in order to avoid condensed water inside of the switch box housing

-WD



Für Redundanz, VDI/VDE Schnittstelle 80x30x20 mm für den Aufbau von Stellungsreglern, Doppelsensoren, weiteren Boxen usw. Edelstahl 1.4301
For redundancy, VDI/VDE interface 80x30x20 mm for positioners, dual sensors, further boxes etc.
Stainless steel AISI 304

Für Gehäusetyp For housing type: EAE

Gehäusefarbe Housing colour



Gehäusefarbe passend zum Antrieb verfügbar in Polyamid, ohne Preisaufschlag
Aluminum, auf Anfrage
Vestamid, nur in Schwarz
Housing colour matching the actuator available in Polyamid, not subject to surcharge.
Aluminum, upon request
Vestamid, only in black

Bestellschlüssel

Order code

EAE2I01-14-IA-3D-40°C-XY1

Gehäuse Housing	
P	**Polyamid** Polyamide[1]
A	**Aluminium** Aluminum
V	**Vestamid** Vestamide[2]

Brücke Bracket	
P	**Polyamid** Polyamide
E	**Edelstahl** Stainless steel

Schalter Switches	
1	**Stück** Piece
2	**Stück** Pieces
3	**Stück** Pieces
4	**Stück** Pieces

Schaltertyp Switch type	
M	**Mechanisch** Mechanical
I	**Induktiv** Inductive
S	**Schlitz** Slot
D	**Doppelsensor** Dual sensor
PT	**Potentiometer** Potentiometer
P	**Pneumatisch** Pneumatic
R	**Reedsensor** Reed sensor
W	**Winkelsensor** Angle sensor

Antrieb Bohrbilder & Wellenhöhe
Actuator hole spacings & shaft height

00	50x25x20	**05**	80x30x40[3]	**10**	F05
01	80x30x20	**06**	80x30x50[3]	**11**	200x50x80[3]
02	80x30x30	**07**	130x30x20	**12**	250x50x80[3]
03	130x30x30	**08**	130x30x40[3]	**13**	25,5x30x13[3]
04	130x30x50[3]	**09**	50x25x30	**14**	50x20x20[3]

Farbcode des Gehäuses Housing colour code

Endschalternummer Switch type code

Explosionsschutz Explosion protection	
	Kein Ex-Schutz Non-Ex (safe area)
IA	**Ex ia** Zone 1, 2 & Zone 21, 22
ED	**Ex de / Ex t** Zone 1, 2 & Zone 21, 22
K2D	**Ex t** Zone 21, 22
K32-K2D	**Ex ec /Ex tc** Zone 2 & 22

Optionen und Zubehör Options and accessories

Umgebungstemperatur Ambient temperature[4]	
	Standard Standard
#°C	**Tieftemperaturbereich** Low temp. area
H#°C	**Hochtemperaturbereich** High temp. area

Sonderausführung Custom design
Auf Anfrage Upon request

[1] **Nicht für Ex Anwendungen. Weitere Farben sind ohne Aufpreis erhältlich.** Not for Ex applications. Further color options are available without surcharge.
[2] **Vestamidgehäuse nur in Schwarz erhältlich.** Vestamid housings are available in black only.
[3] **Diese Bohrbilder sind nur mit Edelstahlbrücke möglich.** These hole spacings are only available with stainless steel bracket.
[4] **Tieftemperaturbereich: unter -25 °C | Hochtemperaturbereich: größer +80 °C.** Low temperature range: below -25 °C | High temperature range: above +80 °C.