

ITEM 093660 NZ1VZ-2131E-M-EX

Description	Technical data	Accessories	Downloads
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Features

- › ATEX version
- › Housing according to EN 50041
- › Suitable for usage in zone 2 and 22 (gases and dusts)
- › Cable entry M20 x 1.5

Switching element

2131H Slow-action switching contact 3 NC \rightarrow + 1 NO

Approvals



Mechanical values and environment

Housing material

Anodized die-cast alloy

Weight	0,3 kg
Ambient temperature	-20 ... 75 °C
Degree of protection	IP67
Mechanical life	2×10^6
Contact material	Silver alloy, gold flashed
Switching principle	Slow-action switching contact
Installation position	Any
Number of door position positively driven contacts	3
Number of door position NO contacts	1
Connection	1 x Cable gland M20 x 1.5
Clamping range for cable	6,5 ... 12 mm
Approach speed	max.20 m/min
Actuation frequency	1200 1/h
Retention force	10 N
Extraction force	35 N
Actuating force	35 N
Insertion depth	52 mm

Electrical connection ratings

Rated thermal current I_{th}	4 A
Utilization category according to EN 60947-5-1	AC-15 4A 50V DC-13 4A 24V
Short circuit protection according to IEC 60269-1	(Fuse) 4A gG
Rated insulation voltage U_i	50 V
Rated impulse withstand voltage U_{imp}	2,5 kV
Switching voltage	12 V
Switching current	Min. at DC 24V 1 mA
Connection cross-section	0,34 ... 1,5 mm ²

Miscellaneous

Explosion protection	incl. cable gland II3G Ex nR IIB T5 Gc X / II3D Ex tc IIIC T90°C Dc
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Reliability values acc. to EN ISO 13849-1

	Monitoring of the safety guard position
B10 _D	$4,5 \times 10^6$

in combination with Actuator BETAETIGER-Z-G

Mechanical values and environment

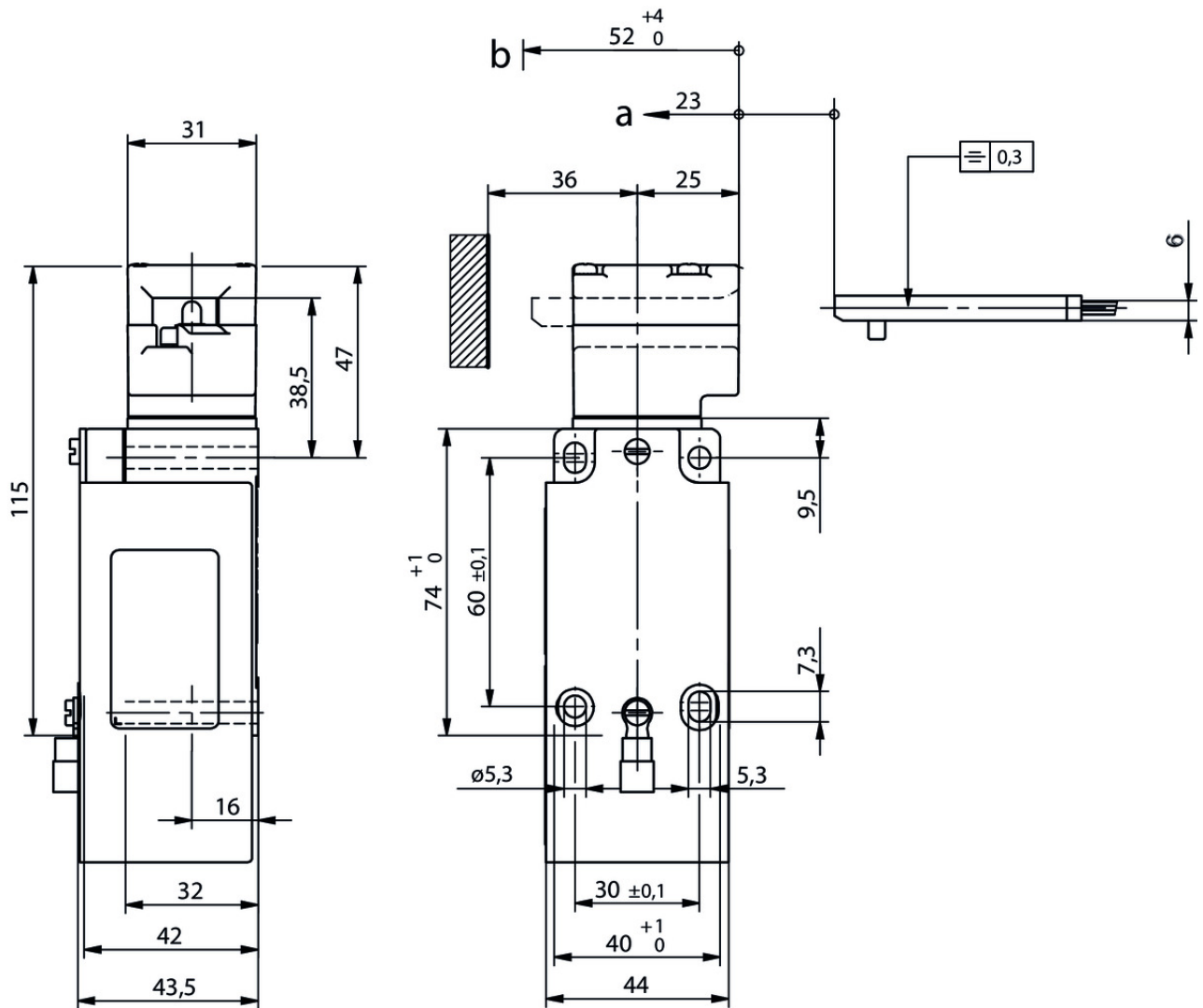
Overtravel	4 mm
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in combination with Actuator BETAETIGER-Z-GN

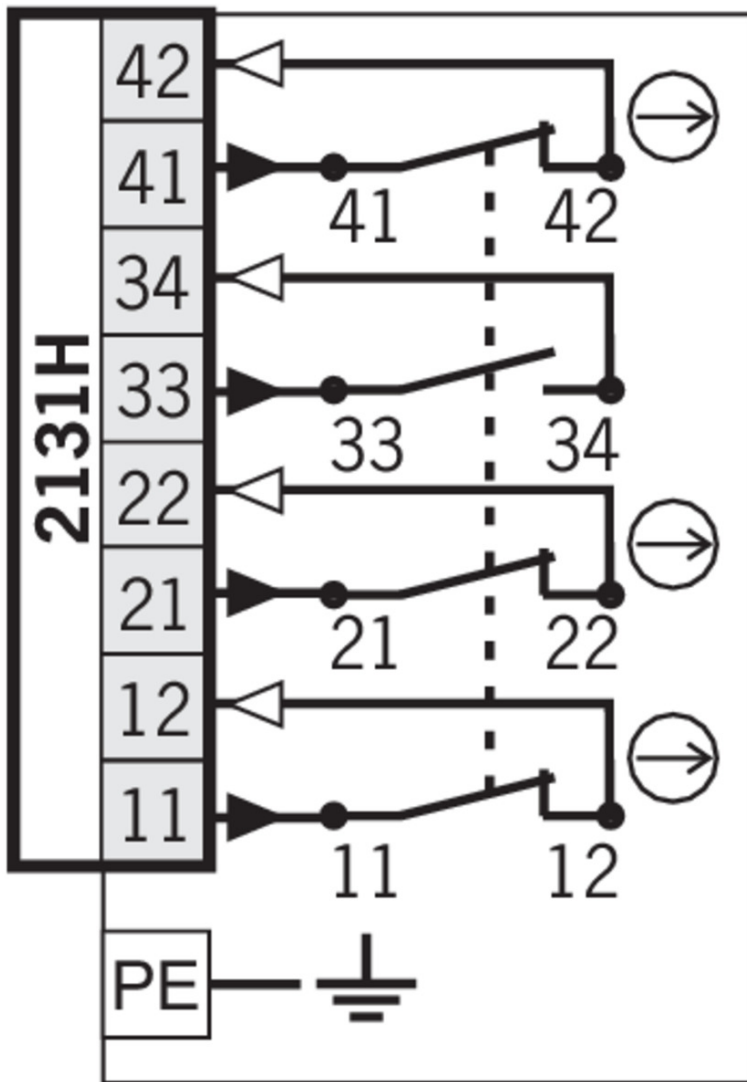
Mechanical values and environment

Overtravel	16 mm
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Dimension drawing



2131H



Actuator

- ✓ Hinged actuator right for safety switches NZ.VZ, NZ.VZ.VS and TZ



024299 RADIUSBETAETIGER-Z-R

✓ Features

- › Two stainless safety screws per actuator



074412 RADIUSBETAETIGER-Z-R/V25

✓ Features

- › Two stainless safety screws per actuator
- › Packaging unit 25 pieces



100406 RADIUSBETAETIGER-Z-R-C2194

✓ Features

- › Two stainless safety screws per actuator
- › Smaller door radii

▼ Hinged actuator left for safety switches NZ.VZ, NZ.VZ.VS and TZ



100407 RADIUSBETAETIGER-Z-L-C2194

▼ Features

- › Two stainless safety screws per actuator
- › Smaller door radii



024298 RADIUSBETAETIGER-Z-L

▼ Features

- › Two stainless safety screws per actuator



074413 RADIUSBETAETIGER-Z-L/V25

▼ Features

- › Two stainless safety screws per actuator
- › Packaging unit 25 pieces

▼ Hinged actuator bottom for safety switches NZ.VZ, NZ.VZ.VS and TZ



074414 RADIUSBETAETIGER-Z-U/V25

▼ Features

- › Two stainless safety screws per actuator
- › Packaging unit 25 pieces



048850 RADIUSBETAETIGER-Z-U

▼ Features

- › Two stainless safety screws per actuator

▼ Actuators for safety switches NZ.VZ, NZ.VZ.VS and TZ



016849 BETAETIGER-Z-G

▼ Features

- › Two stainless safety screws per actuator



074411 BETAETIGER-Z-G/V25

▼ Features

- › Two stainless safety screws per actuator
- › Packaging unit 25 pieces



097436 BETAETIGER-Z-GME

▼ Features

- › Made of solid stainless steel
- › Two stainless safety screws per actuator



072251 BETAETIGER-Z-GN

▼ Features

- › Two stainless safety screws per actuator

▼ Hinged actuator top for safety switches NZ.VZ, NZ.VZ.VS and TZ



057950 RADIUSBETAETIGER-Z-O

▼ Features

- › Two stainless safety screws per actuator



074415 RADIUSBETAETIGER-Z-O/V25

▼ Features

- › Two stainless safety screws per actuator
- › Packaging unit 25 pieces




Spare parts

▼ Replacement head NZ.VZ

076250 BETAETIGUNGSKOPF NZVZ

Instructions

▼ Betriebsanleitung Sicherheitsschalter NZ1VZ...EX

	Doc. no.	Version	Language	Download
Betriebsanleitung Sicherheitsschalter NZ1VZ...EX Operating Instructions Safety Switches NZ1VZ...EX	2093796	13-02/18	 	 0.9 MB

Catalogs







▼ ATEX - Sicherheitsschalter für explosionsgefährdete Bereiche ATEX - Safety switches for potentially explosive atmospheres ATEX - Interrupteurs de sécurité pour atmosphères explosibles ATEX - Interruptores de seguridad para uso en atmósferas potencialmente explosivas

	Doc. no.	Version	Language	Download
ATEX - Sicherheitsschalter für explosionsgefährdete Bereiche	136804	03-04/17		 1.5 MB
ATEX - Interrupteurs de sécurité pour atmosphères explosibles	136806	03-04/17		 1.5 MB
ATEX - Interruptores de seguridad para uso en atmósferas potencialmente explosivas	136807	03-04/17		 1.5 MB
ATEX - Safety switches for potentially explosive atmospheres	136805	03-04/17		 1.0 MB

Declaration of conformity

▼ EU-Konformitätserklärung

Doc. no.	Version	Language	Download
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EU-Konformitätserklärung	2093482	13-06/16		 0.3 MB
Declaración UE de conformidad				
Déclaration UE de conformité				
Dichiarazione di conformità				
EU declaration of conformity				

CAD data

CAD data for this item on TraceParts