

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
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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

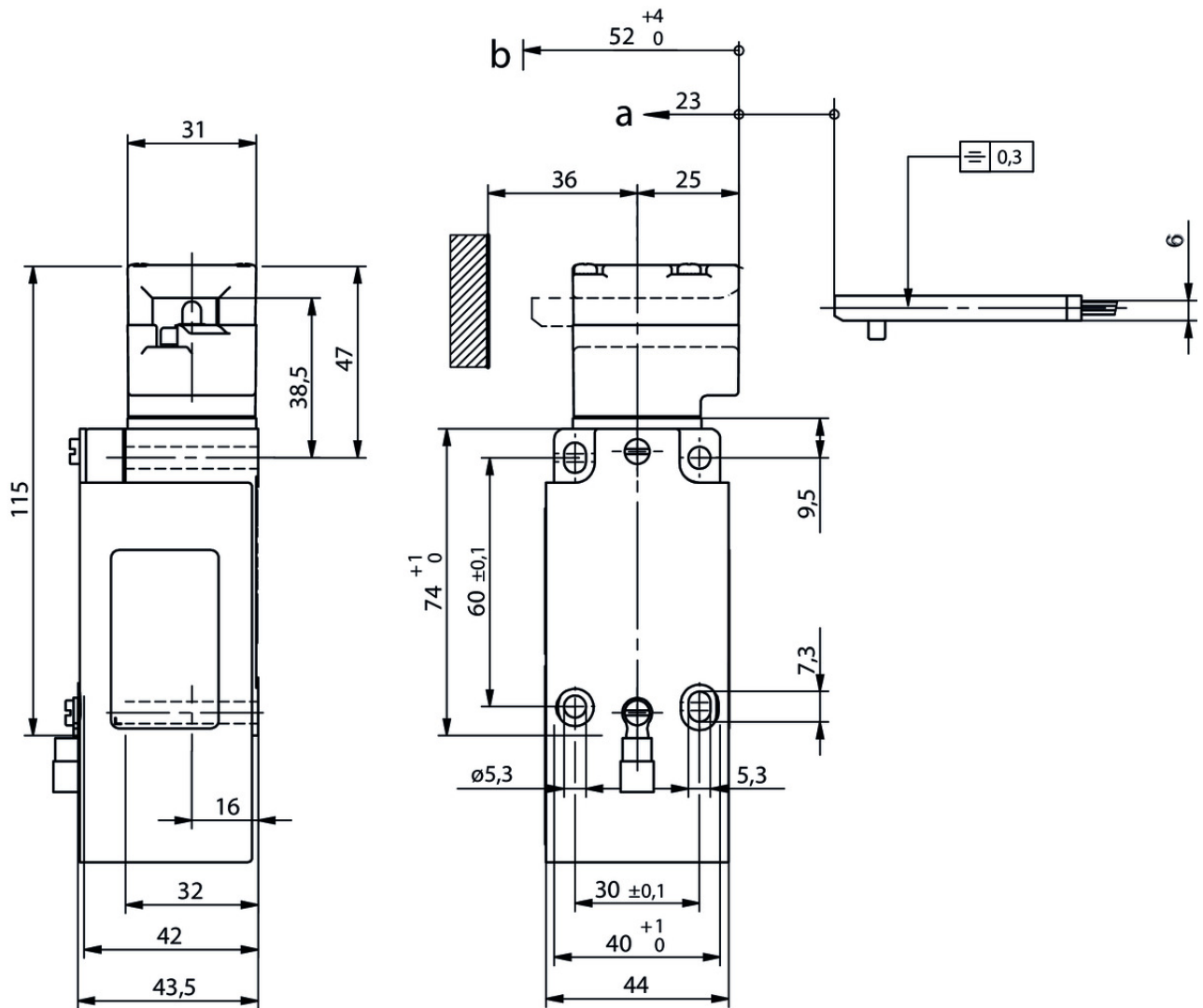
Overtravel	4 mm
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in combination with Actuator BETAETIGER-Z-GN

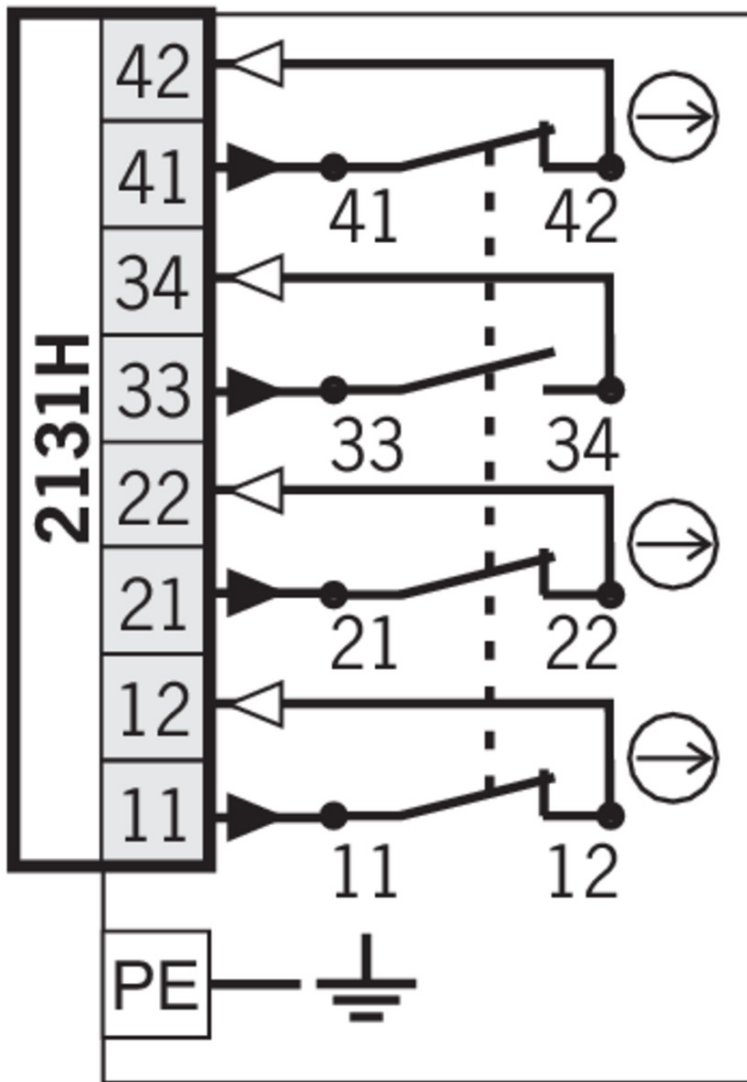
Mechanical values and environment

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