product data sheet

item no. R1.311.2120.0

safety switch SIN 2120 M AC/DC 24V

Safety switch with guardlocking, separate actuator and metallic head, solenoid operated, 1500 N, contacts interlocking 2 NC, contacts guard locking 2 NC



item no.	R1.311.2120.0
EAN	4049088654749
order unit	1 piece(s)

certificates / approvals

technical data

electrical data - contact elements

protection class	II
rated insulation voltage Ui	250 V
rated impulse voltage	2.5 kV
short-circuit protective device	4 A gl

electrical data - magnets

protection class	II
duty cicle	100% ED (at E1; E2)
temperature class	F (155°C)
power consumption	< 6.7 VA
switch operatings permanent	600 1/h
operating voltage	24 V

mechanical data

housing material	thermoplastic GV (UL94-V0)
cover material	thermoplastic GV (UL94-V0)
actuating head material	die-cast zinc
drawing force	# 10 N
hold on force	< 1500 N
min. ambient temperature	-25 °C
max. ambient temperature	55 °C
switching principle contact elements	4 slow-action contacts max.
fastening	4 x M5
connection type	screw connection
max. conductor cross section (flex., stranded)	0.34 mm²
max. conductor cross section (flex., stranded)	1.5 mm²

cable entry	3 x M20x1.5
weight	0.5 kg
installation position	operator definable
degree of protection (IP)	IP67

accessories

item no.	type	description
R1.311.9001.0	actuator SIN 9001 M	Standard actuator, stainless steel, minimum actuating radius Rmin 800 mm
R1.311.9002.0	actuator SIN 9002 M	Flexible actuator, stainless steel, minimum actuating radius Rmin 400 mm
R1.311.9003.0	actuator SIN 9003 M	Cross actuator, stainless steel, minimum actuating radius Rmin 600 mm
R1.311.9004.0	actuator SIN 9004 M	Radius acutuator, stainless steel, minimum actuating radius Rmin 150 mm
R1.311.9005.0	Release options SIN 9005	Emergency release front
R1.311.9006.0	Release options SIN 9006 M	Escape release basic set
R1.311.9007.0	Release options SIN 9007	Extension module for escape release, length 40 mm

technical drawing

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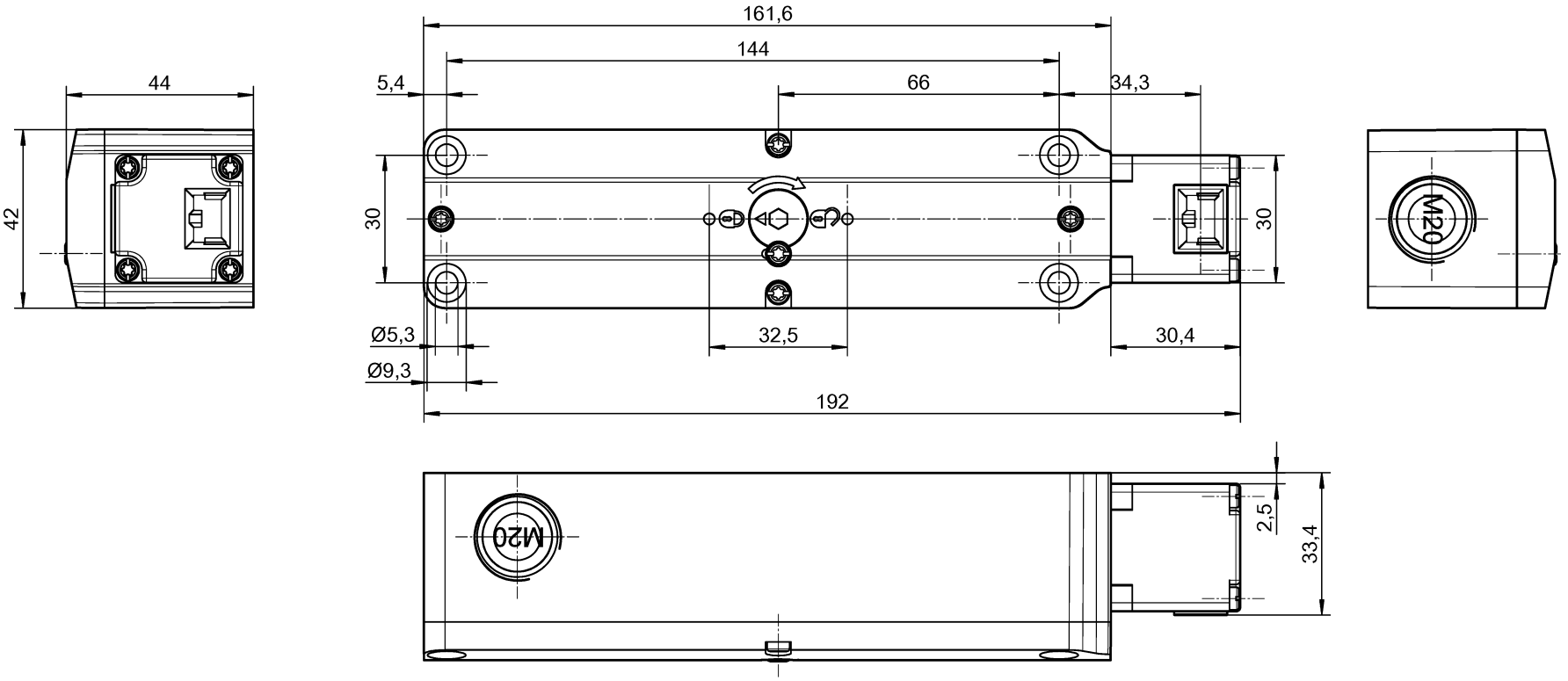

01-QU-RD-31/21

Teile-Nr. / Part.-No.	Typ / Type
R1.311.1120.0	SIN 1120 M
R1.311.1130.0	SIN 1130 M
R1.311.1140.0	SIN 1140 M
R1.311.1150.0	SIN 1150 M
R1.311.2120.0	SIN 2120 M
R1.311.2130.0	SIN 2130 M
R1.311.2140.0	SIN 2140 M

Weitere Angaben siehe KATALOG oder eKatalog.
Additional data see CATALOG or eCatalog.

www.wieland-electric.com
eshop.wieland-electric.com

ja/yes ☒ Stoffverbots- und Deklarationsliste nach WN 5020.010 ist einzuhalten.
Conformity with Wieland document WN 5020.010 e (list of prohibited / declarable hazardous substances) to be declared!

Freitoleranz nach General tolerance

CAD-Zeichnung, keine manuellen Änderungen
CAD drawing, no manual modifications allowed

1. Verwendung: First Use:

Blatt: Sheet:

Werkstoff / Material

Maßstab/Scale

	Tag/Date	Name
2023		
gezeichnet drawn	09.05.	Koetzner

Elektronische Freigabe
Electronic Release

Zeichnung Nr. / Drawing No.
T R1.311.1120.0 01K

Maße in mm / Dimensions are in mm

Datei / File: 048011__01K.DCD

Ersatz für / Replacement for:

Index | Datum / Blatt Date / Sheet

Änderung / Revision

wieland

Type

Benennung / Title

Teilespezifikation / Component specification

Sicherheitsschalter SIN
safety switch SIN

2023-05-11 10:15:11 1.000