ITEM 110451 RPS3131SC175SFM5

Description	Technical data	Accessories	Downloads

Features

- Plastic housing
- Emergency stop device with detent mechanism according to EN ISO 13850 and EN 60204-1
- Clamping head for pull rope
- Indication of correct rope tension
- Plug connector M12, 5-pin
- Switching elements with 2 switching contacts
- Emergency stop

Switching element

3131 Slow-action switching contact 2 NC $\ominus$

Approvals

EAC

Mechanical values and environment

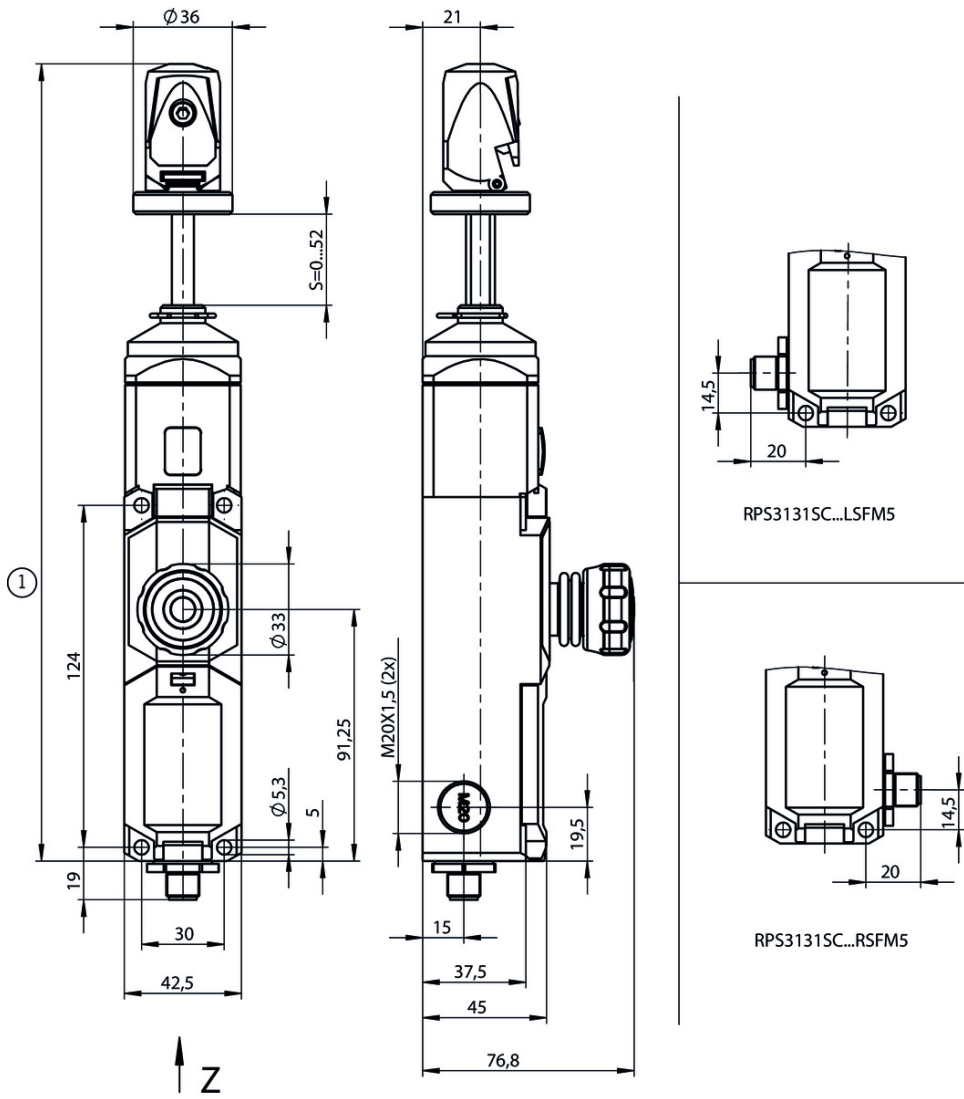|	
Housing material	Reinforced thermoplastic
Weight	
Net	0,8 kg
Ambient temperature	-25 ... 70 °C
Degree of protection	IP67
Mechanical life	$0,1 \times 10^6$
Switching principle	Slow-action switching contact
Rope diameter	2 ... 5 mm
Installation position	Any
Number of positively driven contacts	2
Connection	Plug connector M12 [1]
Actuating force	175 N

Electrical connection ratings

Rated thermal current I_{th}	4 A
Utilization category according to EN 60947-5-1	
AC-15	3A 50V
Short circuit protection according to IEC 60269-1	
(Fuse)	4A gG
Rated insulation voltage U_i	50 V
Rated impulse withstand voltage U_{imp}	1,5 kV
Switching current	
at 24V	min.10 mA

Miscellaneous

Additional feature	Emergency stop function

[1] 5-pin (without PE) – bottom

Dimension drawing

Z

Legende

1 265...317 (adjustable via S)

RPS3131SC...LSFM5

RPS3131SC...RSFM5

3131

3131

4

1

41   42

5

2

21   22

Travel diagram

	13-14	21-22	33-34	41-42	
+5mm					300N / 175N / 100N
+4,3mm →					
+3,5mm					①
0mm					240N / 140N / 80N
-3,5mm					①
-4,3mm →					
-5mm					180N / 105N / 60N

Ein ▮
Aus ▯
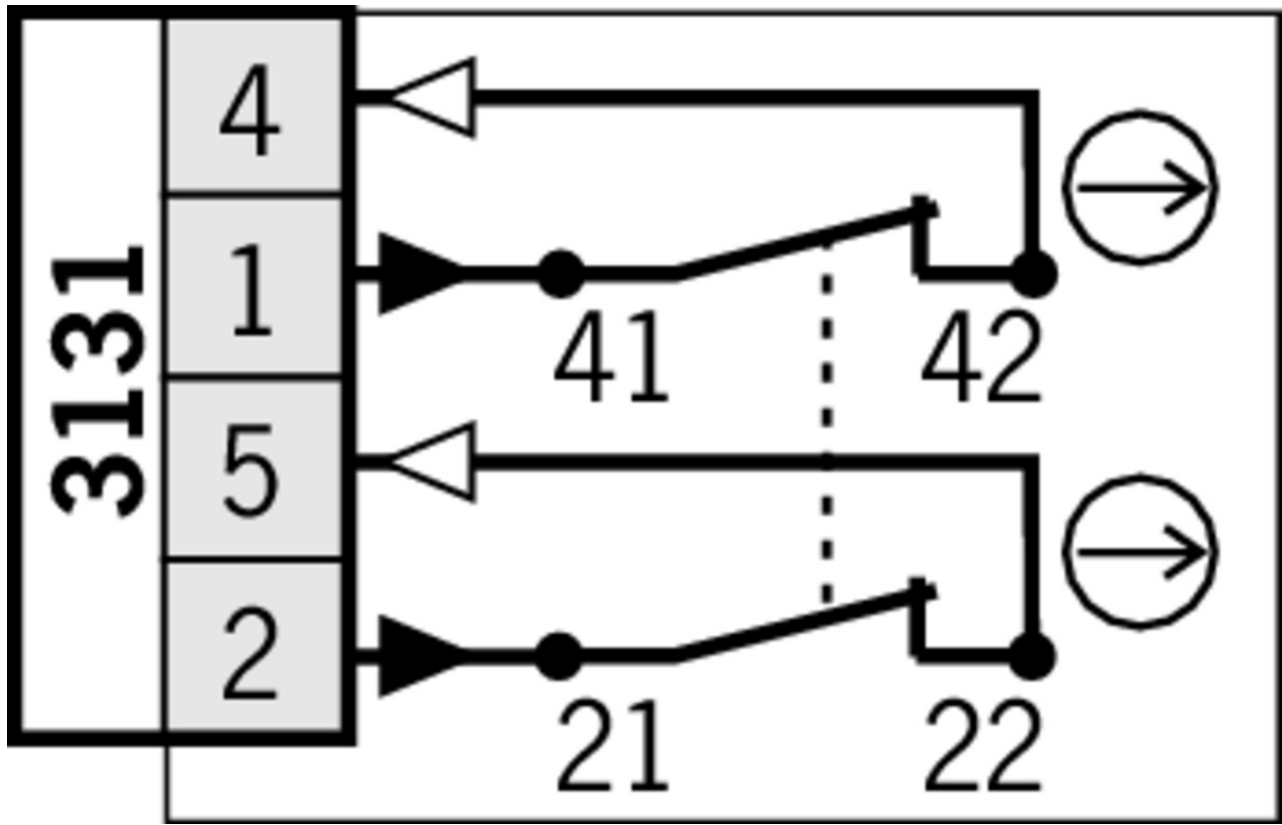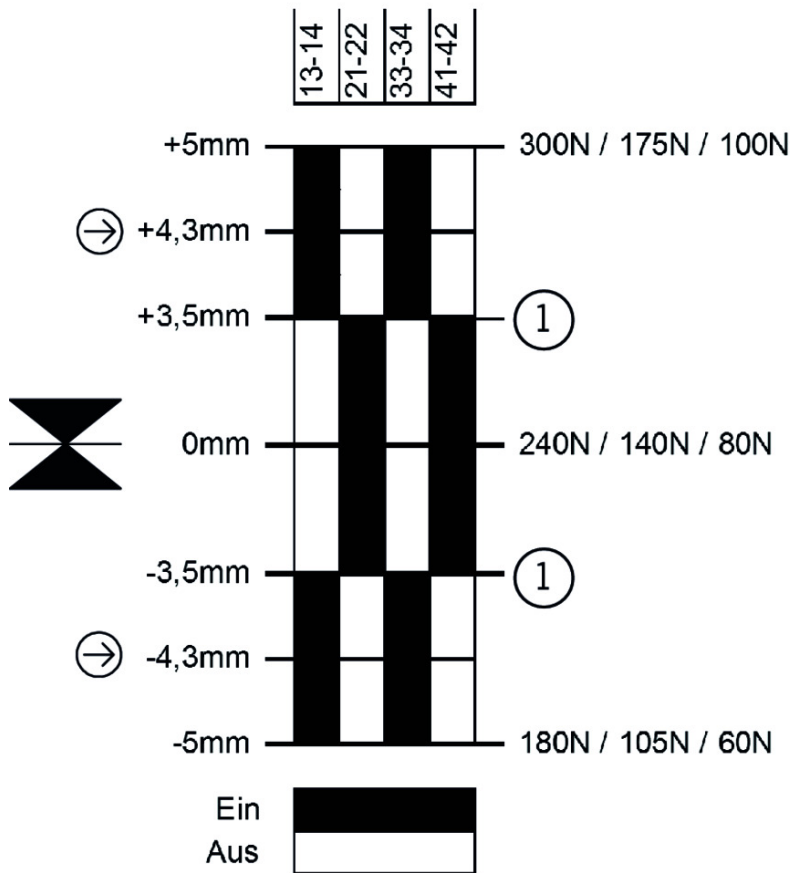
Legende

1 Detent mechanism
Switching-point tolerance ±0.5 mm

Mounting accessories

⌄ Pulley set RPS-P/V1 for rope pull switches

096251 RPS-P-7-70
⌄ Features
› Pulley Ø 14mm

⌄ Eyebolt for rope pull switches

092495 RPS-O-8-50/V5
⌄ Features

> Eyebolt with thread M8

Tensioning rope for rope pull switches

092813 RPS-I-3-4/50M
Features
> Tensioning rope with 50m length

092814 RPS-I-3-4/100M
Features
> Tensioning rope with 100m length

Turnbuckle for rope pull switches

092498 RPS-B-6-60/V5
Features
> Turnbuckle M6 x 60

092500 RPS-B-6-110
Features
> Turnbuckle M6 x 100

Rope set for rope pull switches

092496 RPS-RS/V5
Features
> Rope set consisting of thimble and rope clamp

Pulley set RPS-PS/V5 for rope pull switches

092501 RPS-PS/V5
Features
> Pulley set consisting of rope pulley block and pulley support

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Tensioner spring for rope pull switches

092136 RPS-W-100/175
Features
> Tensioner spring for tensile force 110 N / 175 N

Function expansion

Built-in LED

087423 EINBAULEUCHTE LED M20X1,5

095510 EINBAULEUCHTE LED-F M20X1,5

Connection material

☑ Connection cable with straight plug connector M12, 5-pin, 5m

100183 C-M12F05-05X034PV05,0-MA-100183
☑ Features
- M12 female plug, 5-pin
- Straight plug connector
- PVC cable
- Cable length 5 m
- With flying lead

☑ Connection cable with plug connector M12, 5-pin, 10m

100184 C-M12F05-05X034PV10,0-MA-100184
☑ Features
- M12 female plug, 5-pin
- Straight plug connector
- PVC cable
- Cable length 10 m
- With flying lead

☑ Connection cable with plug connector M12, 5-pin, 20m

100185 C-M12F05-05X034PV20,0-MA-100185
☑ Features
- M12 female plug, 5-pin
- Straight plug connector
- PVC cable
- Cable length 20 m
- With flying lead

☑ Connection cable with 2 plug connectors M12, 5-pin, 5m

100180 C-M12F05-05X034PV05,0-M12M05-100180
☑ Features
- M12 female plug to M12 plug connector, 5-pin
- Straight female plug and plug connector
- PVC cable
- Cable length 5 m

☑ Connection cable with 2 plug connectors M12, 5-pin, 10m

100181 C-M12F05-05X034PV10,0-M12M05-100181
☑ Features
- M12 female plug to M12 plug connector, 5-pin
- Straight female plug and plug connector
- PVC cable

> Cable length 10 m

🔽 Connection cable with 2 plug connectors M12, 5-pin, 20m

100182 C-M12F05-05X034PV20,0-M12M05-100182

🔽 Features

> M12 female plug to M12 plug connector, 5-pin
> Straight female plug and plug connector
> PVC cable
> Cable length 20 m

Instructions

🔽 Betriebsanleitung Seilzugschalter RPS...

	Doc. no.	Version	Language	Download
Betriebsanleitung Seilzugschalter RPS...	2090276	08-01/18	🇩🇪	📄 2.7 MB
Operating Instructions for Rope Pull Switches RPS...	2090276	08-01/18	🇺🇸	📄 2.7 MB

Declaration of conformity

🔽 EU-Konformitätserklärung

	Doc. no.	Version	Language	Download
EU-Konformitätserklärung Declaración UE de conformidad Déclaration UE de conformité Dichiarazione di conformità EU declaration of conformity	2091952	03-04/17	🇩🇪 🇪🇸 🇫🇷 🇮🇹 🇺🇸	📄 0.2 MB