# ITEM 111490 RPS3131SC100RSFM5

| Description | Technical data | Accessories | Downloads |
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## 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, right
- Switching elements with 2 switching contacts
- Emergency stop

## Switching element

**3131** Slow-action switching contact 2 NC ⊖→

## Approvals

EAC

## Mechanical values and environment

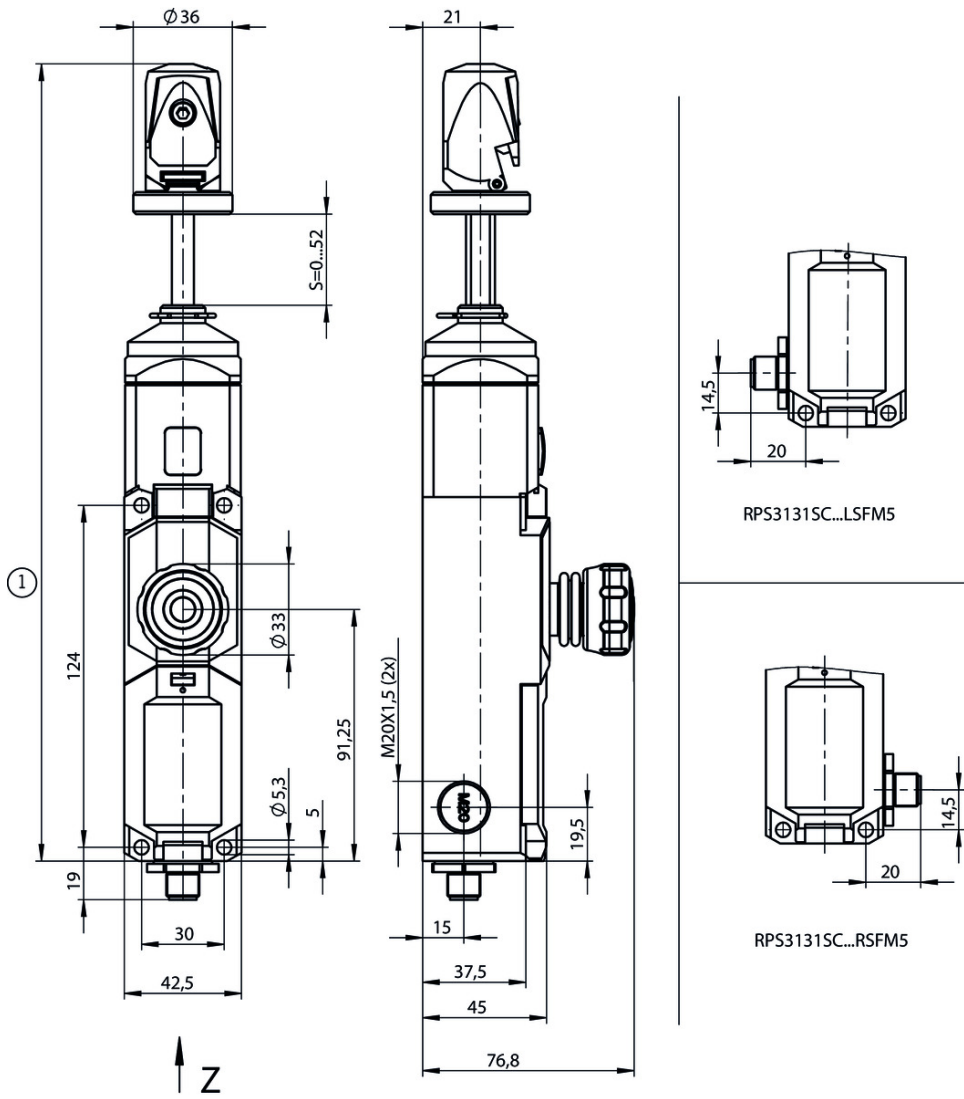| | |
|---|---|
| Housing material | Reinforced thermoplastic |
| Weight | |
| Net | 0,8 kg |
| Ambient temperature | -25 ... 70 °C |
| Degree of protection | IP67 |
| Mechanical life | $0,1 \times 10^6$ |
| Switching principle | Slow-action switching contact |
| Rope diameter | 2 ... 5 mm |
| Installation position | Any |
| Number of positively driven contacts | 2 |
| Connection | Plug connector M12 [1] |
| Actuating force | 100 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) – right

## Dimension drawing



Ø 36 · 21 · S=0...52 · 124 · Ø 33 · 91,25 · Ø 5,3 · 5 · M20X1,5 (2x) · 19,5 · 19 · 30 · 15 · 42,5 · 37,5 · 45 · 76,8 · Z

RPS3131SC...LSFM5

14,5 · 20

RPS3131SC...RSFM5

14,5 · 20

## Legende

*1* 265...317 (adjustable via S)

**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 | □ |
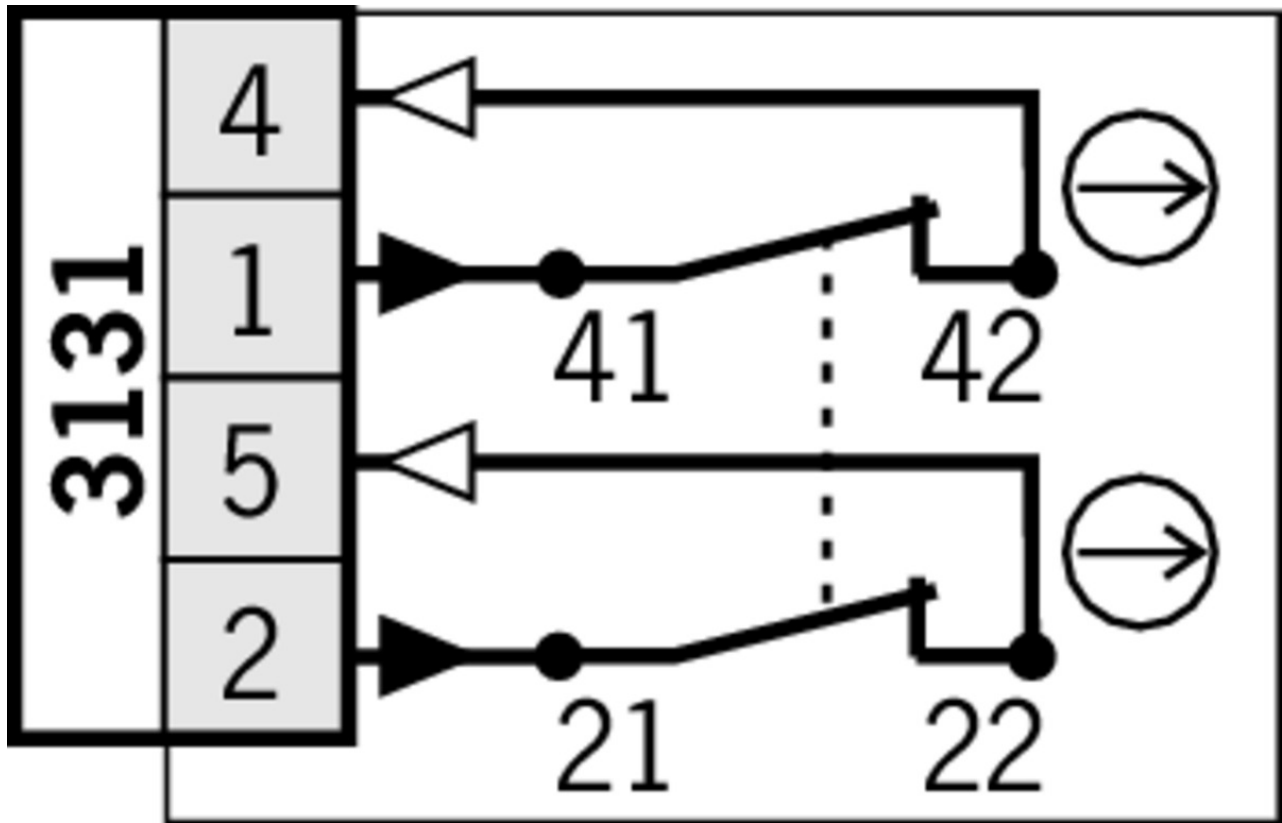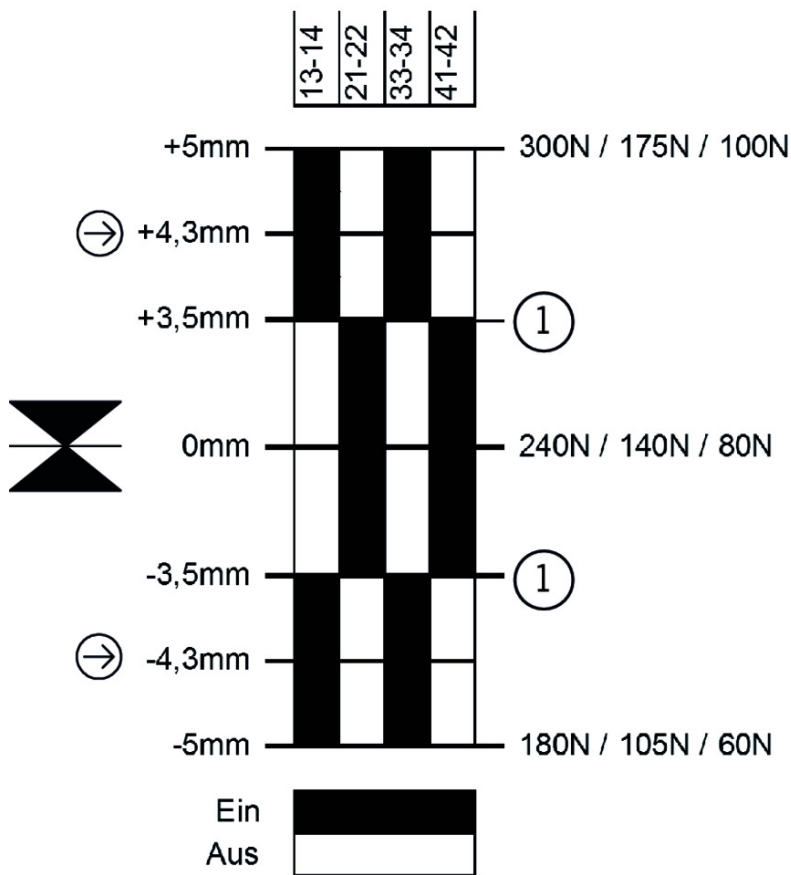
**Legende**

*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

▼ 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

## 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

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

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

## Tensioner spring for rope pull switches

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

## Eyebolt for rope pull switches

**092495** RPS-O-8-50/V5
Features
> Eyebolt with thread M8

## Function expansion

### Built-in LED

**087423** EINBAULEUCHTE LED M20X1,5

**095510** EINBAULEUCHTE LED-F M20X1,5

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## 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

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▾ 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

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▾ 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

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▾ 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

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▾ 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

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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

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**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<br>Declaración UE de conformidad<br>Déclaration UE de conformité<br>Dichiarazione di conformità<br>EU declaration of conformity | 2091952 | 03-04/17 | 🇩🇪<br>🇪🇸<br>🇫🇷<br>🇮🇹<br>🇺🇸 | 📄 0.2 MB |