Standard Rope Pull Switches
Momentary or Latching

SI88

SEK

SEM2

SIEM2

SD

SID

SID

SIN

Because of their specifications governed by corresponding standards (see Cable Safety Pull Switches SRM/SR), these cable pull switches are used exclusively as command devices.

These switches are available in metal enclosures as well as in insulation-enclosed versions. They are operated manually by pulling on the attached cable.

Thanks to their pretension, these switches, which feature a switching contact with overlap, execute a switching function when the cable is pulled or in the event of cable breakage.

The field of application for these rope pull switches includes

- Opening and closing of (garage) doors
- Starting machines
- Issuing commands in production processes

The basic design of the standard rope pull switches is based on that of position switches.

The specified cable length refers to the maximum length at minimum temperature variation. The maximum cable length may decrease under different environmental conditions.

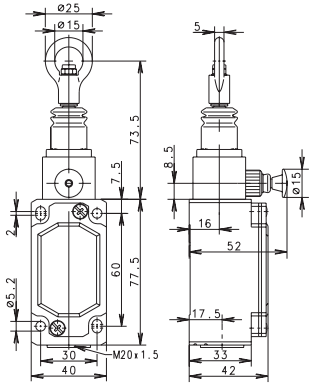
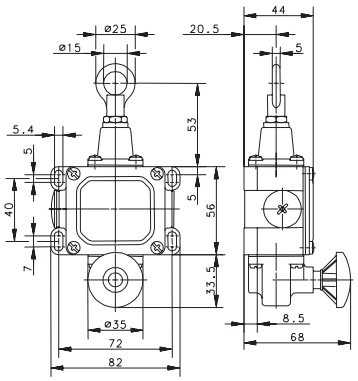
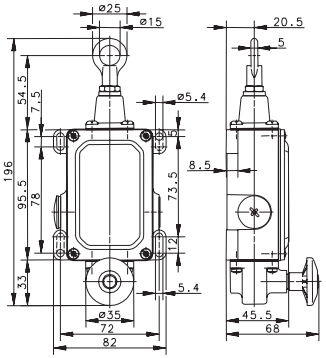
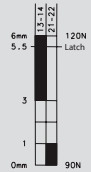
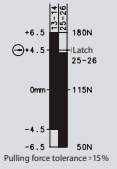
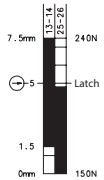
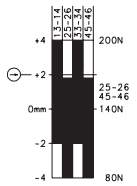
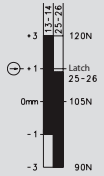
Standard Rope Pull Switches
Technical Information

Technical data		SEK	SiEK	SEM2	SiEM2
Electrical data					
Rated insulation voltage	U_i	400 V AC	400 V AC	400 V AC	400 V AC
Rated operating voltage	U_e	240 V	240 V	240 V	240 V
Conventional thermal current	I_{the}	10 A	10 A	10 A	10 A
Utilisation category	U_e / I_e	AC-15, U_e /I_e 240 V / 3 A	AC-15, U_e /I_e 240 V / 3 A	AC-15, U_e /I_e 240 V / 3 A	AC-15, U_e /I_e 240 V / 3 A
Mechanical data					
Switching frequency max.		≤ 50/min.	max. 100/min.	max. 50/min.	max. 50/min.
Mechanical service life		1 x 10^6 switching cycles	1 x 10^6 switching cycles	1 x 10^6 switching cycles	1 x 10^6 switching cycles
B10d		on request	on request	on request	on request
Short-circuit protection		Fuse 10 A gL/gG	Fuse 10 A gL/gG	Fuse 10 A gL/gG	Fuse 10 A gL/gG
Protection class		II, Insulated	II, Insulated	I	I
Ambient temperature		– 30°C to + 80°C	– 30°C to + 80°C	– 30°C to + 80°C	– 30°C to + 80°C
Protection class		IP65 conforming to IEC/EN 60529	IP65 conforming to EN 60529	IP65 conforming to EN 60529	IP65 conforming to EN 60529; DIN VDE 0470 T1
Type of connection		4 Screw connections (M3, 5)	4 Screw connections (M3, 5)	4 Screw connections (M3, 5)	Screw connections
Conductor cross sections		Single-wire 0.5 – 1.5 mm^2 or Stranded wire with ferrule 0.5 – 1.5 mm^2	Single-wire 0.5 – 1.5 mm^2 or Stranded wire with ferrule 0.5 – 1.5 mm^2	Single-wire 0.5 – 1.5 mm^2 or Stranded wire with ferrule 0.5 – 1.5 mm^2	Single-wire 0.5 – 1.5 mm^2 or Stranded wire with ferrule 0.5 – 1.5 mm^2
Enclosure		Thermoplastic, glass fibre-reinforced	Thermoplastic, glass fibre-reinforced	Aluminium pressure die-casting	Aluminium pressure die-casting
Cable entry		1 x M20 x 1.5	1 x M20 x 1.5	1 x M20 x 1.5	1 x M20 x 1.5
Standards					
VDE 0660 T100, DIN EN 60947-1, IEC 60947-1 VDE 0660 T200, DIN EN 60947-5-1, IEC 60947-5-1					

Standard Rope Pull Switches
Technical Information

Technical data		SD	SiD	SIN	SGC	Si88
Electrical data						
Rated insulation voltage	U_i	400 V AC	400 V AC	400 V AC	400 V AC	250 V AC
Rated operating voltage	U_e	240 V	240 V	240 V	240 V	240 V
Conventional thermal current	I_{the}	16 A	16 A	10 A	10 A	10 A
Utilisation category	U_e / I_e	AC-15, U_e /I_e 240 V / 3 A	AC-15, U_e /I_e 240 V / 3 A	AC-15, U_e /I_e 240 V / 3 A	AC-15, U_e /I_e 240 V / 3 A	AC-15, U_e /I_e 240 V / 3 A
Mechanical data						
Switching frequency max.		≤ 20/min.	max. 20/min.	≤ 20/min.	≤ 20/min.	≤ 50/min.
Mechanical service life		1 x 10^6 switching cycles	1 x 10^6 switching cycles	1 x 10^6 switching cycles	1 x 10^6 switching cycles	1 x 10^6 switching cycles
B10d		on request	on request	on request	on request	on request
Short-circuit protection		Fuse 10 A gL/gG	Fuse 10 A gL/gG	Fuse 10 A gL/gG	Fuse 10 A gL/gG	Fuse 10 A gL/gG
Protection class		I	I	I	I	I
Ambient temperature		– 30°C to + 80°C	– 30°C to + 80°C	– 30°C to + 80°C	–30°C to + 80°C	–30°C to + 80°C
Protection class		IP65 conforming to EN 60529	IP65 conforming to EN 60529	IP65 conforming to EN 60529	IP65 conforming to EN 60529	IP65 conforming to EN 60529
Type of connection		Screw connections	Screw connections	Screw connections	Screw connections	Screw connections
Conductor cross sections		Single-wire 0.5 – 1.5 mm² or Stranded wire with ferrule 0.5 – 1.5 mm²	Single-wire 0.5 – 1.5 mm² or Stranded wire with ferrule 0.5 – 1.5 mm²	Single-wire 0.5 – 1.5 mm² or Stranded wire with ferrule 0.5 – 1.5 mm²	Single-wire 0.5 – 1.5 mm² or Stranded wire with ferrule 0.5 – 1.5 mm²	Single-wire 0.5 – 1.5 mm² or Stranded wire with ferrule 0.5 – 1.5 mm²
Enclosure		Aluminium pressure die-casting	Aluminium pressure die-casting	Aluminium pressure die-casting	Aluminium pressure die-casting	Thermoplastic, glass fibre-reinforced
Cable entry		2 x M20 x 1.5	2 x M20 x 1.5	2 x M20 x 1.5	1 x M20 x 1,5	1 x M20 x 1,5
Standards						
VDE 0660 T100, DIN EN 60947-1, IEC 60947-1 VDE 0660 T200, DIN EN 60947-5-1, IEC 60947-5-1						

Standard Rope Pull Switches
Latching with Reset Button

		SIEM2 RAST	SID RAST	SID RAST
				
Variant 1	**Article No.** Designation Max. span	**6012831023** SIEM2-UV1Z P-RAST 6 m 	**6011411868** SD-U1 P-RAST 8 m 	**6112431050** SID-UV1Z P-RAST 35 m 
Variant 2	**Article No.** Designation Max. span		**6111431060** SID-UV1Z P-RAST 15 m 	**6012441907** SID-UV2Z P-RAST 18 m 
Variant 3	**Article No.** Designation Max. span		**6011431869** SID-UV1Z P-RAST 12 m 	

Technical data			
Rated insulation voltage U_i max.	400 V AC	400 V AC	400 V AC
Rated operating voltage U_e max	240 V	240 V	240 V
Conventional thermal current I_{the}	10 A	16 A	16 A
Utilisation category U_e/I_e	AC-15, 240 V/3 A	AC-15, 240 V/3 A	AC-15, 240 V/3 A

Standard Rope Pull Switches
Momentary Activation

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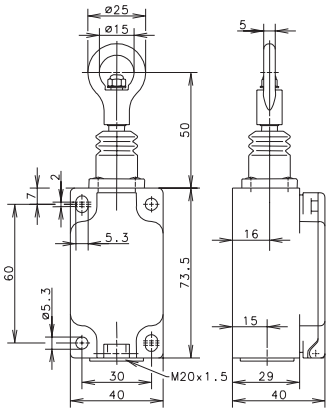
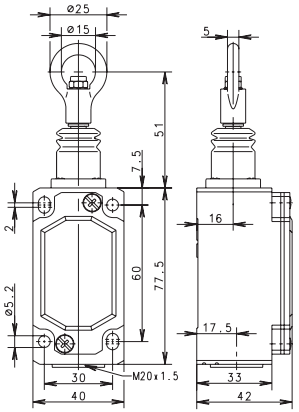
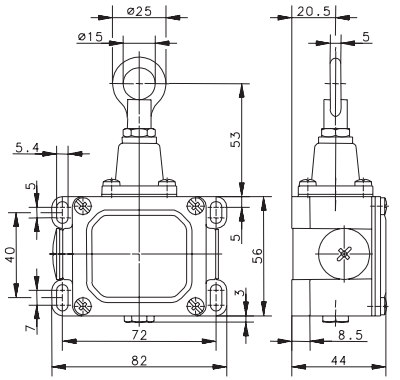
SEK/SIEK



SEM/SIEM2



SD

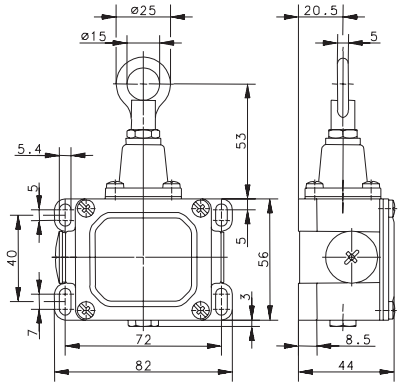
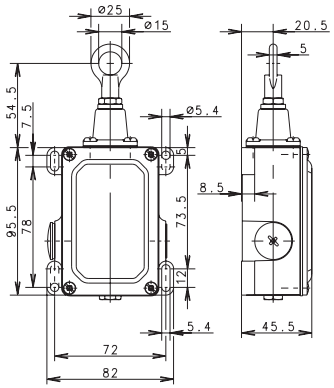
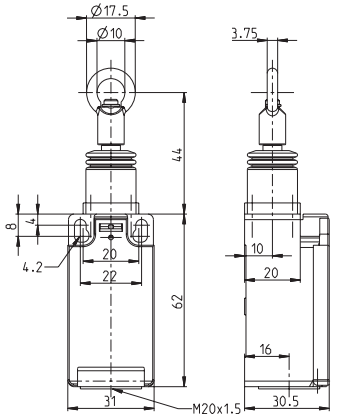


Variant 1	**Article No.** Designation Max. span	**6011811133** SEK-U1Z 6 m	**6012811029** SEM2-U1Z 6 m	**6011411856** SD-U1 8 m
Variant 2	**Article No.** Designation Max. span	**6011831134** SIEK-UV1Z 4 m	**6012831022** SIEM2-UV1Z 6 m	
Variant 3	**Article No.** Designation Max. span			**6111411161** SD-U1 6 m

Technical data			
Rated insulation voltage U_i max.	400 V AC	400 V AC	500 V AC
Rated operating voltage U_e max	240 V	240 V	240 V
Conventional thermal current I_{the}	10 A	10 A	16 A
Utilisation category U_e/I_e	AC-15, 240 V/3 A	AC-15, 240 V/3 A	AC-15, 240 V/3 A

Standard Rope Pull Switches
Momentary Activation

Altech Corp. by BERNSTEIN

		SID	SID	Si88
				
Variant 1	**Article No.** Designation Max. span	**6011431857** SID-UV1Z 4 m	**6012431877** SID-UV1 8 m	**6013811107** SI88-U1Z 2 m
Variant 2	**Article No.** Designation Max. span	**6111431022** SID-UV1Z 8 m		**6013831108** SI88-UV1Z 2 m
Variant 3	**Article No.** Designation Max. span	**6111431069** SID-UV1Z 12 m		
Technical data				
Rated insulation voltage U_i max.		400 V AC	500 V AC	250 V AC
Rated operating voltage U_e max		240 V	240 V	240 V
Conventional thermal current I_{the}		16 A	16 A	10 A
Utilisation category U_e/I_e		AC-15, 240 V/3 A	AC-15, 240 V/3 A	AC-15, 240 V/3 A