

Single-axis Controller

S3



The Single-axis Controller S3 is a rugged switching device for hoisting applications. The modular design enables the switching device to be used universally. The Single-axis Controller is resistant to oil, maritime conditions e.g. offshore /vessels, UV radiation typically from the sun.

Technical data

Mechanical life S3	12 million operating cycles
Operating temperature	-40°C to +85°C
Degree of protection	IP66 front



		Example								
		S3L	S5	Q	-2 R P	-B	-A05 P484	-E1291	-S...	-X
Basic unit										
S3L	Single-axis controller left									
Control-handle extended										
S5	-20 mm									
Grip- control-handle left										
Q	T-grip									
Axis 1										
2	2 contacts (1,5A 24 V DC13)									
R	Friction brake									
P	Potentiometer									
Cover housing										
B	Cover housing									
Description axis 1 (direction 1-2)										
A05	Arrangement MSP21									
P484	Potentiometer T318 2 x 5 kOhm									
Interface										
E1291	Voltage output 0...5...10 V									
Plug connectors										
S..	Standard plug connectors (see page 149)									
Special model										
X	Special / customer specified									

Single-axis Controller

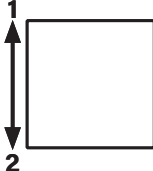
S3



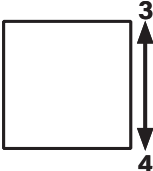
	S3L	S5	Q	-2 R P	-B	-A05	P484	-E1291	-S...	-X
Basic unit										
S3L	Single-axis Controller, control-handle left									
S3R	Single-axis Controller, control-handle right									
Control-handle extended										
	Standard 148 mm*									
S5	-20 mm									
S8	+20 mm									
<i>*Only possible in combination with handle!</i>										
Grip										
	Knob									
D	Push button									
Q	T-grip									
QD	T-grip with push button side									

Identification of the installation variants
with switching directions:

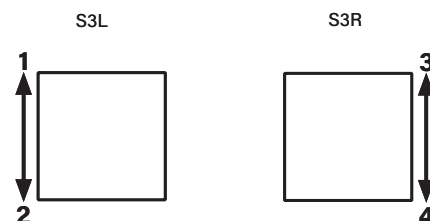
S3L



S3R



Identification of the installation variants
with switching directions:



	S3L	S5	Q	-2 R P	-B	-A05	P484	-E1291	-S...	-X
Axis 1: direction 1-2 left										
1	1 contact									
2	2 contacts									
3	3 contacts									
	Standard contact - arrangement see page 151									
	z.B.									
	A98									
	A05									
	A050									
	A99 contact - arrangement according customer request									
R	Friction brake									
(P)	Possibility of mounting potentiometer and encoder (Gessmann-types)									
P	Potentiometer									
	P484									
	T318 2x5 kOhm									
	I max. 1 mA									
	More potentiometers on request!									
H	Hall-Potentiometer									
	E14811									
	0,5...2,5...4,5 V / 4,5...2,5...0,5 V									

	S3L	S5	Q	-2 R P	-B	-A05	P484	-E1291	-S...	-X
Cover housing										
B	Cover housing									
Interface <i>(description on the following pages)</i>										
	Potentiometer output									
E1xx	Voltage output									
E2xx	Current output									
Special model										
X	Special / customer specified									

Single-axis Controller

S3



Voltage output

Supply voltage	11,5-32 V DC		
Wiring	Cable 500 mm long without plug connector		
	Optional with plug connector (<i>standard plug connectors see page 149</i>)		S
0...5...10V		1 axis	E112 1
10...0...10V		1 axis	E141 1
-10...0...+10V		1 axis	E140 1
Voltage output with other value on request!			

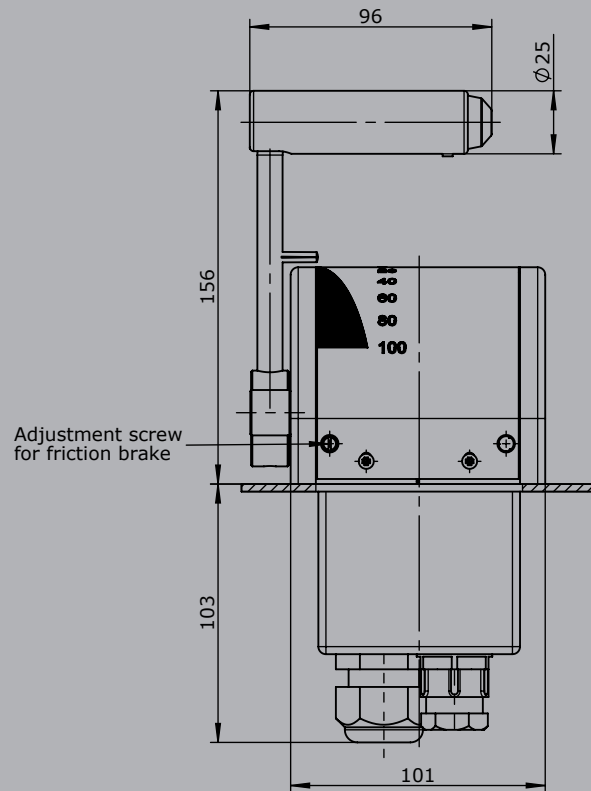
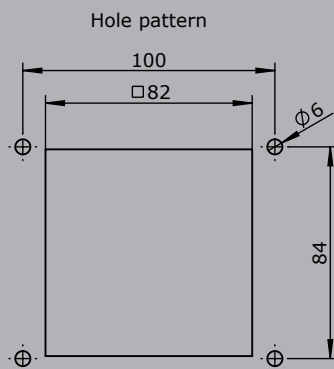
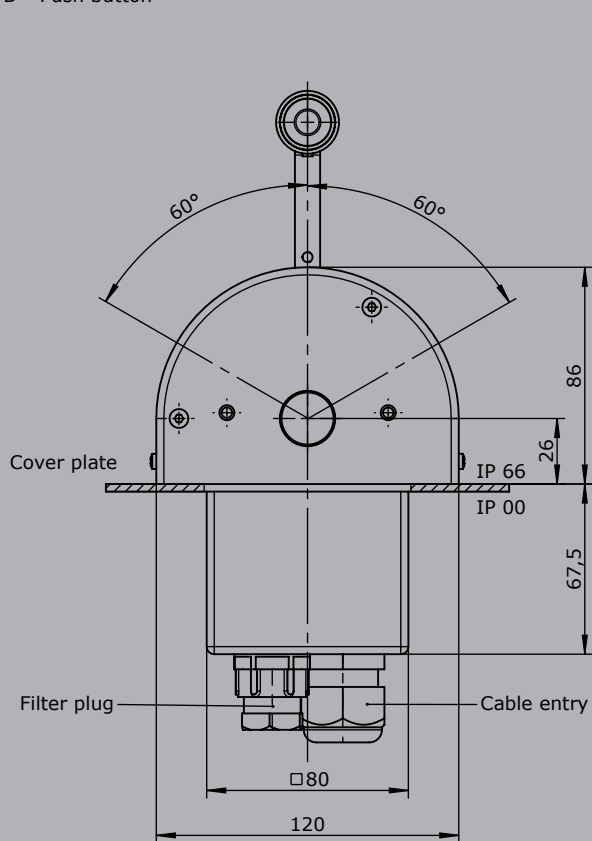
Current output

Supply voltage	18-36 V DC		
Wiring	Cable 500mm long without plug connector		
	Optional with plug connector (<i>standard plug connectors see page 149</i>)		S
4...12...20 mA		1 axis	E209 1
20...4...20 mA		1 axis	E217 1

Single-axis Controller

S3

T - grip
D= Push button



Knob solid
D= Push button

