



SSP

Safety System Products

ZEUS 01-15 10 31

Enabling/operating unit

Your advantages

- Robust housing in IP65 and IP67
- Modular construction
- Ergonomic design
- Combination of enabling button and operating unit
- Operation of up to 16 axes, 32 functions
- Increased protection against manipulation thanks to activity sensor
- Increased protection against manipulation thanks to SSP hand recognition



To the downloads ►

we simplify safety

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ZEUS guarantees fatigue free activity, thanks to an ergonomical design and low weight. It is suitable for left and right handed persons and easily operated with gloves.

With it's operating modes the 3-Step-Enabling Switch ZEUS creates ideal safety conditions in your enabling operation

General data

Item number	SP-X-85-903-72
Functional type	Enabling and operating unit
Standards	EMV: DIN EN 55011:2009 + A1:2010, DIN EN 61000-4-3:2006 + A1:2008 + A2:2010, DIN EN 61000-4-6:2009

Safety data

Approvals	TÜV, CE, UL
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Environmental conditions

Max. storage temperature	-40... +80 °C
Max. operating temperature	-5 ...+60 °C
Clearance and creepage distances according to IEC/EN 606641	Overvoltage category: 3 // Contamination level: III
UL Enclosure Type Rating	Type 1

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Electrical data

Supply voltage	24V DC \pm 5% V
B10d-value	100.000

Enabling switch

Rated operational voltage U_e	DC: 30 V
Rated operational current	I_e DC: 1 A
position 2	4 N bis 30 N
Position 3	< 30 N

Actuating force

Position 1	> 4 N
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Terminal block

Connection cross-section	0,25-0,34 mm ²
Number per terminal point	7
Pollution degree	2
Rated operating voltage U_e	DC: 30 V
Rated current	DC: 1 A
Cable diameter	M12 (3,5 - 7 mm) / M16 (4,5 - 10 mm)
Screw connection	M12 / M16
Tensile strength of the connection	20 Nm
Terminal block	3

Mechanical data

Enabling button material	Silicon
Base plate	With mounting bracket: only for use with the ZEUS H (SP-X-85-800-00) // screw connections: M20 internal thread
Length	71 mm
Width	69 mm
Height	186 mm
Housing material	PA6.6 30% GF, colour: black
Material for base plate	V2A
Mechanical service life	100,000 switching cycles

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Screw torque	0,8 Nm
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Dimensions

Mechanical tests

Partial test I

Standard	DIN EN 60068-2-6
Frequency range	10 - 150 Hz
Deflection	0.35 mm/5 g ± 15 % at the control point
Frequency cycles	20
Tuning speed	1 Oktave/min

Partial test II

Standard	DIN EN 60068-2-27
Shock shape	Halbsinus
Shock amplitude	30 g
Shock duration	11 ms
Number of shocks	3 per axis


Partial test III

Standard	DIN EN 60068-2-29
Shock shape	Halbsinus
Shock amplitude	30 g
Shock duration	16 ms
Number of shocks	3 per axis
Shock sequence	(1-3)/s

Equipment

Safe control technology

	MOSAIC M1	SP-R-11-000-00	
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Standard safety relay 1 safety function	S2 series	SP-K-70-001-00	
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Multi-function safety relay 2 safety functions

X2 series

SP-K-70-001-03



Operating elements

Universal hook

SP UH-K



Holding bracket for ZEUS with holding hook

ZEUS H

SP-X-85-800-00



Additional hook set for Zeus enabling-/operating unit

ZEUS ZHS

SP-X-85-801-00



Downloads

- Operating manual
- Certificate
- Software Gateway
- Catalog
- Product line
- Certificate UL
- CAD Data