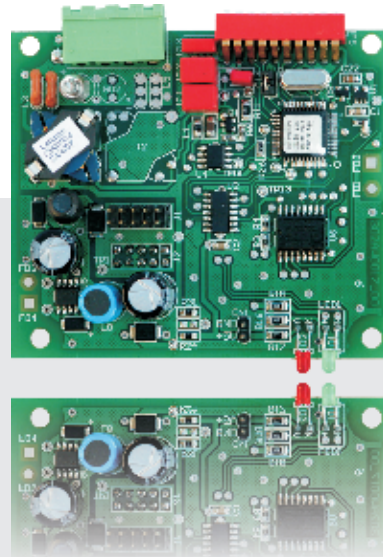


# Catalogue

# Electronical Accessories

- ⊕ Modules
- ⊕ Safety systems
- ⊕ Switches
- ⊕ Cables



# Electronical Accessories

## Content

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## Additional Modules / Safety devices / Accessories

### Safety edge systems - functional principles

Safety edge systems are protective devices designed for use with poweroperateddoors in accordance with DIN EN 12978.

They provide personal protection at the closing edge and secondary closing edges.

The use of safety edge systems is subject to the European Standard EN 12453 “Safety in use of power-operated doors” requirements, along with the corresponding specifications.

The requirements of EN 12978 regarding signal processing and Output Signal Switching Device

They are fulfilled by Mtec control units and control panels UST1 - UST2.








The operating forces must comply with EN 12453. We offer a range of TÜV Nord-tested combinations of components in this respect.

The above-mentioned safety edge devices belong to the category of Pressure-Sensitive Protective Equipment PSPE





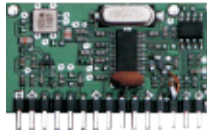
They consist of:

- Signal transmitter (safety edge)
- Signal transfer (e.g. spiral cable)
- Signal processing and output signal switching device

# Electronical Accessories

article no	short term		description
711010000000	UST1-K1		Additional module: Deadman DOWN; Impuls OPEN for Control UST 1 - mechan. limit switches
711010001001	UST1-K1L		Additional module: Deadman DOWN; Impuls OPEN or Control UST 1L - mechan. limit switches
711010001000	UST1-K1E		Additional module: Deadman DOWN; Impuls OPEN; electronical limit - switch - UST1/UST1L
712110003010	UST2-K1D		Additional module - electron. limit switch - UST2/L
711020000000	UST1-K2		Additional module: Control SKS, autom. Closing for UST 1 / UST 1L
711030000000	UST1-K3		Additional Module: 2-way traffic regulation additional limit switch relays, test for all UST 1 - controls
711030000001	UST1-K3a		Additional module: relay for all UST 1 - controls
711040000001	UST1-K4		Additional module: connection elec. limit-switches For UST 1 / UST 1L



# Electronical Accessories

article no	short term		description
711050000000	UST1-K5		Additional module - service & regulation, for all - UST1 controls
711050000001	UST2-K5-K		Additional module - service & regulation incl. connection cable, for UST2/UST 2L controls
711060000000	UST1-K6		Additional module - remote control for all - UST1 controls
711070000000	UST1-K7-1K		Additional module - induction loop detection 1-channel
711070000031	UST1-K7-1K3		Additional module - induction loop detection 1-channel if K3 is used
711070000002	UST1-K7-2K		Additional module - induction loop detection 2-channel
711070000032	UST1-K7-2K3		Additional module - induction loop detection 2-channel if K3 is used
711200000110	UST1-EK1-433		1-channel receiver - plugable - (433 Mhz) for all - UST1 controls
711200000210	UST1-EK1-868		1-channel receiver - plugable - (868 Mhz) - UST1 for all - UST1 controls








# Electronical Accessories

article no	short term		description
600900300210	OXI		1-channel receiver - pluggable - (433 Mhz) for all UST 1 controls
600900300211	OXIFM		1-channel receiver - pluggable - (868 Mhz) for all UST 1 controls
600900300230	OX2		1-channel receiver - external - (433 Mhz) for all controls
600900300230	OX2FMI		1-channel receiver - external - (868 Mhz) for all controls
600900300110	ON1		1-channel transmitter - (433 Mhz)
600900300120	ON2		2-channel transmitter - (433 Mhz)
600900300140	ON4		4-channel transmitter - (433 Mhz)
600900300190	ON9		9-channel transmitter - (433 Mhz) I
600900300111	ON1FM		1-channel transmitter - (868 Mhz)
600900300121	ON2FM		2-channel transmitter - (868 Mhz)
600900300141	ON4FM		4-channel transmitter - (868 Mhz)
600900300191	ON9FM		9-channel transmitter - (868 Mhz)
600900300310	OBOX		Programming module and code controller, incl. O-Box software
600900300320	OBOXB		Programming module and code controller, incl. O-Box software ans Bluetooth
600900300300	ALA1		Batterie charger

# Electronical Accessories



article no	short term		description
920091000011	SKS-ADK1-SBA		Junction box with clamps and SBA-Sensor with hole
920091000021	SKS-ADK2-SBA		Junction box with clamps and SBA-Sensor without hole
920092000011	SKS-ADS1-SBA		Junction box with plug-clamps and SBA-Sensor with hole
920092000021	SKS-ADS2-SBA		Junction box with plug-clamps and SBA-Sensor without hole
920091000000	SKS-AD		Junction box without clamps
920091000010	SKS-ADK1		Junction box with clamps with hole
920091000020	SKS-ADK2		Junction box with clamps without hole
920092000010	SKS-ADS1		Junction box pluggable, with hole for spiraled cable
920092000020	SKS-ADS2		Junction box pluggable, without hole
920091100045	OS-VK-4,5		connection cable for junction box 4,5 m
920091100065	OS-VK-6,5		connection cable for junction box 6,5 m
920091100085	OS-VK-8,5		connection cable for junction box 8,5 m
920092100045	OS-VK-4,5S		connection cable for junction box 4,5 m, pluggable
920092100065	OS-VK-6,5S		connection cable for junction box 6,5 m, pluggable
920092100085	OS-VK-8,5S		connection cable for junction box 8,5 m, pluggable
920081155516	SKS-SK5Q05-1,6		spiral cable 0,8 m spiraled / 1,6 m unspiraled
920081155530	SKS-SK5Q05-3		spiral cable 0,8 m spiraled / 3 m unspiraled
920081155550	SKS-SK5Q05-5		spiral cable 0,8 m spiraled / 5 m unspiraled

# Electronical Accessories

article no	short term		description
<b>opto electronic safety edge system with diagnostic function (optical display) -incl. adapter 11,5/22 mm; transmitter with red light, distance up to 10,5 m</b>			
920111210040	OS-RS-11,5-4		transmitter with 4 m cable
920111210060	OS-RS-11,5-6		transmitter with 6 m cable
920111210100	OS-RS-11,5		transmitter with 10,5 m cable
920121210010	OS-RE-11,5		receiver with 1 m cable
920131210001	OS-RSE-11,5		transmitter/ receiver Ø 11,5 mm (10,5 m / 1 m cable)
920112210004	OS-RSSK-11,5		transmitter with 0,4 m cable, pluggable
920112210100	OS-RSSL-11,5		transmitter with 10,5 m cable, pluggable
920122210004	OS-RESK-11,5		receiver with 0,4 m cable, pluggable
920132210001	OS-RSES-11,5		transmitter/ receiver Ø 11,5 mm (10,5 m / 1 m cable), pluggable
920141000010	OS-A-P1		rubber profile - 60 mm
920142103952	OS-F-P1039-52		rubber profile - 52mm
920142103955	OS-F-P1039-55		rubber profile - 55mm
920341000250	SKS-AS25		run aground stopper 25 mm long incl. screw M8 and T-Nut
920341000550	SKS-AS55		run aground stopper 55 mm long incl. screw M8 and T-Nut
920092001010	SKS-EAG		ext. analyse unit for safety edge system
920330000010	SKS-DW		pressure switch
920330000020	SKS-DW-K		pressure switch - in box (L)









# Electronical Accessories

article no	short term		description
<b>cable set pluggable, operator / UST1, for mech. limit switch</b>			
900082111030	KMSM-3		3 m cable operator/controller-mechan. Limit-switch
900082111050	KMSM-5		5 m cable operator/controller-mechan. Limit-switch
900082111070	KMSM-7		7 m cable operator/controller-mechan. Limit-switch
900082111090	KMSM-9		9 m cable operator/controller-mechan. Limit-switch
900082111110	KMSM-11		11 m cable operator/controller-mechan. Limit-switch
900082111130	KMSM-13		13 m cable operator/controller-mechan. Limit-switch
<b>cable set pluggable, operator / UST1, for electronic limit switch</b>			
900082112030	KMSE-3		3 m cable operator/controller-electron. Limit-switch
900082112050	KMSE-5		5 m cable operator/controller-electron. Limit-switch
900082112070	KMSE-7		7 m cable operator/controller-electron. Limit-switch
900082112090	KMSE-9		9 m cable operator/controller-electron. Limit-switch
900082112110	KMSE-11		11 m cable operator/controller-electron. Limit-switch
900082112130	KMSE-13		13 m cable operator/controller-electron. Limit-switch
<b>cable set pluggable, operator / UST2, for mech. limit switch</b>			
900082121015	KMS2M-1,5		1,5 m cable operator/controller-mechan. Limit-switch
900082121030	KMS2M-3		3 m cable operator/controller-mechan. Limit-switch
900082121050	KMS2M-5		5 m cable operator/controller-mechan. Limit-switch
900082121070	KMS2M-7		7 m cable operator/controller-mechan. Limit-switch
900082121090	KMS2M-9		9 m cable operator/controller-mechan. Limit-switch
900082121110	KMS2M-11		11 m cable operator/controller-mechan. Limit-switch
900082121130	KMS2M-13		13 m cable operator/controller-mechan. Limit-switch
<b>able set pluggable, operator / UST2, for electron. limit switch</b>			
900082121015	KMS2E-1,5		1,5 m cable operator/controller-electron. Limit-switch
900082121030	KMS2E-3		3 m cable operator/controller-electron. Limit-switch
900082121050	KMS2E-5		5 m cable operator/controller-electron. Limit-switch
900082121070	KMS2E-7		7 m cable operator/controller-electron. Limit-switch
900082121090	KMS2E-9		9 m cable operator/controller-electron. Limit-switch
900082121110	KMS2E-11		11 m cable operator/controller-electron. Limit-switch
alter 900082121130	KMS2E-13		13 m cable operator/controller-electron. Limit-switch

# Electronical Accessories

article no	short term		description
730000001010	UST-DT		triple push button for controls Built in version
720000001100	UST-CEE		CEE-plug - 1 m cable
720000002200	UST-SST		Schuko-plug- 1 m cable
730000001020	UST-HS		Built in Mainswitch
730000001020	UST-HSE		Built in Main switch, with Installation
730000001030	UST-NA		Emergency OFF
730000001040	UST-SE		Keyswitch (ON/OFF)
730000001050	UST-SH		Key switch (half-open), add. Cabel necessary !
920521100050	BG-GT3S		Triple switch (UP/STOP/DOWN) with key-switch in Aluminium diecast housing IP54
920511000030	BG-KT3		Triple switch (UP/STOP/DOWN) with key-switch in plastic housing
920521010010	BG-GS1		Key-switch with key in Aluminium diecast housing IP54
920540100041 920540100040 920540100042	BG-RS BG-RS-K BG-RS-V		Roller lever switch with wheel lever Roller lever switch with roller lever Roller lever switch with wheel lever - long
920540100010	BG-DZ		Pul switch in aluminium diecast housing IP 65

# Electronical Accessories

article no	short term		description
920660000010	LS-A-RT		traffic ligths red
920660000050	LS-A-OR		traffic ligths orange
920660000030	LS-A--GN		traffic ligths green
920660000040	LS-A-RG		traffic ligths red/green
920630000110	LS-DL-RFS		reflect passing light beam with mirror and angle iron
920811000011	SS-KF		slack rope switch cylinder (without plug)
920821000011	SS-SBS		slack rope switch for rope break unit (without plug)
920720000830	SK-MS8X30		slip door contact (Ø 8 mm x 30 mm) with 4 m cable

# Electronical Accessories

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article no	short term	description
920740000101	DBM-RP1	digit. Movement sensor with PVC housing direction identification, person mask out adjustable

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