

KLST – Order form 2020

Customer:
 Contact person:
 Phone:
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 Project:
 Serial No.:

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Inquiry: Week

Order: Week

Attention: When using KLST panels, please fill out the order forms!

Scope of delivery:	Controller with KLST panels	Controller with ext. panels	type: neg. pos.
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System date:

Scope of delivery:	Manufacturer:	Year of constr.:	CE-marking:
	Capacity: kg	Year of mod.:	Shaft height: m
	No. of stops:	Persons:	Travel height: m
	Rated speed: m/s	Short stop:	Suspension: :
	Single lift	Liftgroup "duplex"	Liftgroup "triplex" Group of
Position of control:	Machine room above	Machine room below	Machine roomless above Machine roomless below
Mains voltage:	400V 50Hz	500V 50Hz	Transformer for N Other voltage
	separate light voltage 230VAC + RCD (FI)		Internal light voltage (before main switch)
Norms: <small>(See additional info)</small>	EN81-1/2	EN81-20/50	EN81-70 (Disabled) EN81-72 (Firefighter)
	A3 (UCM)	EN81-21 (Safety space)	EN81-71 (Vandalism) EN81-73 (Fire control)

Drive data hydraulics: OLD NEW Attach order confirmation of supplier

Performance data:	Power: kW	Nom. current: A			
Manufacturer:	ALGI	Bucher	Blain (Leistriz)	Oildynamic (GMV)	
	AZRS AZRS2.0	LRV iValve	SEV	NGV A3	
Aggregate type:	AZFR (FU – Danfoss)	Saturn Alpha (FU – M701)	EV4 (FU – Yaskawa)	Other:	
	(unregulated) Valves:	Number of valves:	230V AC 207V DC	Other voltage: V AC DC	
UCM:	Pressure lock valve	Speed governor - Descent stopping system (additional ENA3-Module)			
	Manufacturer:	230V AC	24V DC	12V DC	
Motor start-up:	Softstarter	From KLST	From customer	Star / Delta	
	Oil cooler	Oil heating	230V AC	400V AC	kW A
Load measurement:	mech. pressure switch	electr. pressure switch	NPN	PNP	Button for min. pressure bypass
Additional functions:	Relevelling aggregate	kW	A	Pawl device	

Drive data traction: OLD NEW Attach order confirmation of supplier

Performance data:	Power: kW	Nom. current: A			
Drive:	Manufacturer:	Type:			
	Inverter:	External Internal	Asynchronous	Synchronous	From KLST
Brake:		230V AC 207V DC	Brake motor 400V	Other voltage: V DC AC	A
Number:	RobaSwitch 207/103VDC	ZAsbc	BSV 2 <small>180/90VDC</small>	BV 3 <small>207/144VDC 180/90VDC</small>	BSV 4 <small>207/144VDC</small> von KLST
	Encoder:	Paguflex incl. Flexkupplung (M10-16)	Mounting kit	Hollow shaft Shaft dia. mm	Other:
UCM (A3): Realized by	Drive brake	Additional Break Type:		V DC AC	
	Speed governor - Decent stopping system (add. ENA3-Module)		230V AC	24V DC	12V DC
	Wittur EOS	Wittur EBRA20	Wittur ESG		
Brake release:	Mech. break releasing (hand release lever)		Electrical brake releasing (via UPS)		
Brake monitoring:	Induktiv	PNP	NPN	Contact	
Motor fan:	230V AC	400V AC	2-Phasen 400V AC		With fan run-on
Addition:	Delay control circuit		Power feedback unit ZArc		

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Door functions:									
Landing doors:	Door side 1			Door side 2			Door side 3		
	Hinged door	Automatic		Hinged door	Automatic		Hinged door	Automatic	
Retiring cam:	180V DC	230V AC		180V DC	230V AC		180V DC	230V AC	
	V AC DC			V AC DC			V AC DC		
	Motor 400V	mechanical		Motor 400V	mechanical		Motor 400V	mechanical	
Car doors:	Product:			Product:			Product:		
Door control unit:	Type:	CAN		Type:	CAN		Type:	CAN	
	Door motor 400V AC	A		Door motor 400V AC	A		Door motor 400V AC	A	
Additional door lock:	Mechanical	V		Mechanical	V		Mechanical	V	
Light curtain:	Product:			Product:			Product:		
	24V DC	230V AC	PNP	24V DC	230V AC	PNP	24V DC	230V AC	PNP
Safety light curtain system:	Product:		Type:	Product:		Type:	Product:		Type:
	Nudging			Nudging			Nudging		

Door access:	Please enter floor names and attach shaft drawings!															
Etagé:	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Access door side 1:																
Access door side 2:																
Access door side 3:																

Controller cabinet:	With indication of the max. size on site: x x we choose the right cabinet				
Please select whether the suitable cabinet should be determined by KLST or specify the suitable sizes.	Wall cabinet	Standing cabinet	Framesolution		System cabinet
	800 x 600 x 250	1600 x 600 x 400	ServicePanel in Floor		2000 x 1000 x 500
	800 x 800 x 300	1800 x 600 x 400	Meiller Floorcontroller		2000 x 1200 x 600
	1200 x 600 x 300	2000 x 400 x 260	Lighting inside ServicePanel		Only steel plate
	1400 x 600 x 300	+100mm socket each	Controller Cabinet in shaft		
+ Base cabinet		Distance Panel<->Cabinet m		x x	
Door stop:	Door stop right		Door stop left		Door plugable
Main switch:	Install on the left side		Install on the right side		Main switch in own case
	Install in the door		Install in the cabinet		Existing
Fuse:	Main fuses		Overvoltage protection		Existing Type:
Power supply line:	Below left		Below right		Other:
Configurations:	Controller cabinet ventilation		Controller cabinet heating		Vibration-isolated
	(Cabinet) Controller cabinet lighting		At door opening		Additional power socket
Features:	Emergency elec. operation		Emergency elec. operation with		m cable + Nohalt + Bündig
	Safety switching		Relevelling		Advanced-opening doors
	Auto. remote trip	V	Button remote trip	V	Button remote reset V
(Travel counter in HSE)	Travel counter add. in cabinet		Travel Counter add. in cabinet door		Display in cabinet door
(Hour counter in HSE)	Oper. hour counter add. in cabinet		Oper. hour Counter add. in cabinet door		Energy saving mode
	Remoteswitch +light off in cabinet		Remoteswitch +light off in cabinet door		Main switch light voltage (NL)
	Landingcall off in cabinet		Landingcall off in cabinet door		
Notifications:	Fault signal		Alarm warning		Out of order
	Inspection		Fire evacuation		Evacuation ended
	BMS / CMS (add information)				Other notifications (add Information)
Fire:	Fire evacuation static (main stop)		Semi-dynamic (Which floor?)		with light indicators
	Dynamic (all floors)		Fire evacuation floor(s):		
Emergency:	Evacuation contact		Evacuation sequential control		Evacuation floor:
	Free after evacuation				
Emerg. lowering hydro:	Emergency lowering via UPS		UPS from customer		
Emerg. power traction:	Via UPS	Load-dependent	Load-independent	UPS from customer	Emergency generator

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Safety circuit:						
Voltage:	230VAC (Standard)	48VAC (Standard)	other Voltage	V	AC	DC
Contacts:	Shaft Cabin MR	Shaft Cabin MR				
	Overspeed governer		Final limit switch up			
	Overspeed governer tension weight		Final limit switch down			
	Shaft pit ladder		Final limit switch up & down			
	Shaft pit door		Foldable railing			
	Oil buffer		Roof access hatch			
	Lift arrestor switch		Car floor contact			
	Slack rope switch		Seperating door contact			
Other:						

Load measurement:		Henning Weight Watcher AE12 CANopen	Other type
Load measuring:	Shaft Cabin MR	from KLST	from KLST
Overload contact		number of sensors	
Fullload contact		LS-sensors	
NoLoad contact		Donuts Type	

Landing functions:				
Connection:	Flat ribbon cable	Conventional	Shaft bus	Small shaft bus
Group:	Separate landing calls			
Shaft bus is necessary for group elevators	1 landing call harness	2 landing call harnesses	3 landing call harnesses	4 landing call harnesses
Landing call:	1 button control	2 button control	Specifc door opening for through loading	
Keys:	VIP Trip	Floor(s):	Special trip	Floor(s):
	Firefighter	Floor(s):	Emergency trip	Floor(s):
	Remote off	Floor(s):	Fire evac. (manual)	Floor(s):
	Disable landing calls	Floor(s):	Enable landing calls	Floor(s):
Luminous field:	Continued travel	Travel direction	Fire alarm	
	Out-of-order	Occupied display		
Display:	TFT - Display		Matrix	Other:
Shaft bus is necessary for displays in landing calls	7"	5,7" 5" 3,5"	15x7 -30mm	
Acoustic:	KLST - floor gong		Call acknowledgement	

Lift cabin functions:				
Cabin call:	Door open	Door close	Selective door control	
	Door stop	Cabin fan	Selective car calls	
Toggle switch:	Emergency stop (necessary for safety light curtain)			
Keys:	VIP Trip	Special trip	Enable	Etage(n):
	Firefighter trip	Emergency trip	Disable	Etage(n):
	Separating door		Via code card reader/transponder	
Luminous field:	Firefighter	Travel direction	Fire alarm	
	Evacuation trip	Overload	Fullload	
	Pictogram hear/speak	via TFT-display		
Display:	TFT-display		Matrix	Other:
	7"	5,7" 5"	15x7 -30mm	
Acoustic:	Voice announcement	incl. gong	Call acknowledgement	Arrival gong

Functions on the lift cabin:				
	Cabin fan	when driving	with fan run-on	s
	Additional power socket	2. Emergency-stop 2. door	Light off after drive	s
	Other:			

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Travelling cable:	
	KLST-travelling cable Length: m Distance controller <-> shaft m
Note:	In case of no information about the length of the travelling cable we will use the following formula: Travel height + 14m + (possible distance controller <-> shaft = length of travelling cable)

Shaft positioning:		(Shaft height necessary for magnetic tape length)
KLST standard:	AWG1 with Magnetzone (Standard)	LIMAX Safe
	AWG2 (BIG-duplex)	Wachendorff nubbed belt
Note:	In case of no information about the length of the magnetic tape we will use the following formula: Travel height + 6m = length of magnetic tape	

Voice connection / Emergency call system:			
Voice connection:	None	Other type:	
	Lift cabin - maschine room + porter	via KLST system (Base FWG09 – MSP 09)	
Emergency call system:	KLST –Emergency call system (Base FWG)	GSM13	Other type:
RDT:	KLST –RDT via GSM–Modul (SIM-card not included)	from Customer	Other type:

Additional information (EN):			
EN81-20/50:	Standard configuration:		
	Bypass doors	Emergency light on top of the lift cabin	
	RCD - protection switch (light)	RCD - protection switch door control	
	Pit distributor (incl. inspection travel box and shaft control box)	Flash light + buzzer below the lift	
	Reset inspection pit (controller cabinet)	Emergency stop maschine	Emergency stop rolling space
	Reset inspection pit (lowest floor) via	Key Lowest floor call	
	2. pit distributor (emergency-stop, shaft light, plug socket) for 2. door side		
EN81-21:	Reduced shaft pit		
(Safety space)	Support inside the pit	Collapsible apron of the type:	
	Emergency unlocking landing door	Mechanical Automatic	Other solution
		Manual (contact)	
	Reduced shaft header		
	Support under counterweight	Collapsible apron on cabin roof	
	Emergency unlocking landing doors	Foldable balustradeg	
	Other solution		
EN81-70:	Complete (otherwise mark selection)		
(Disabled)	Voice announcement	Acoustic call acknowledgement	Floor gong
	Door open/close - button	Pictogram hear/speak	Luminous field or display
(Firefighter) EN81-72:	Provide requirements of the fire department		

Additional information:					
Halogenfrei:	Cabinet	Cabin	Machine room	Shaft	Travelling cable
IP54:	Cabinet	Cabin	Machine room	Shaft	Travelling cable
Remark:					

Installation material:	
Machine room:	<p>Supply as complete package</p> <p style="text-align: right;">Different length:</p> <ul style="list-style-type: none"> ➤ Connecting cable motor/pump motor (ÖPVC-YZ - 4 x XX mm²) <ul style="list-style-type: none"> ➤ 10 m at softstart ↘ ➤ 20 m at star-delta start-up/ W3 circuit/ unregulated m ➤ 10 m connecting cable for motor (ÖPVC-YCY) m ➤ 20 m connecting cable for valves (ÖPVC-YZ - 4x0,75 mm²) m ➤ 10 m connecting cable for pressure switch and thermistor (ÖPVC-YZ - 3x1 mm²) m ➤ 50 m connecting cable for brake-, final-limit-switch-up, speed governor and thermistor (ÖPVC-YZ - 3x1 mm²) m ➤ Knock-in dowel 6 x 35 (100 pc. for machine room and shaft) ➤ Wire-end-ferrules for drive and main-switch cable (30 pc.) ➤ Wire-end-ferrules 1 mm² (100 pc.) ➤ Cable tie 4,8 x 185 (100 pc.) <p>Optional (please mark if necessary)</p> <p style="padding-left: 20px;">Main-switch-connection cable (ÖPVC-YZ - 5 x xx mm²) (5 m) m</p>
Shaft:	<p>Supply as complete package</p> <p>Shaftlight</p> <p>LED shaft lightening IP54 (standard)</p> <p>Fixlight shaft lightening (number of lights depends on shaft height)</p> <p>Included in scope of delivery</p> <ul style="list-style-type: none"> ➤ Safety cable for retiring cam and door lock switch (NYM-0 - 1x 1,5 mm², NYM-I - 1 x 2,5 mm²) ➤ Connection for safety-contacts in shaft pit and shaft head (NYM 3 x 1,5 mm²) ➤ Cable duct (60 x 40) <p>Optional (please mark if necessary)</p> <p style="padding-left: 20px;">Final limit switch (2 pc. with retainer)</p> <p style="padding-left: 20px;">Final limit switch (1 pc. with retainer)</p> <p style="padding-left: 20px;">Final limit switch curve</p> <p style="padding-left: 20px;">Speed governor tensioning weight switch (1pc.)</p>
Cabin:	<p>Supply as complete package</p> <p>Included in scope of delivery</p> <ul style="list-style-type: none"> ➤ Connection cable door drive (ÖPVC-YZ - 5x1 mm²) (5 m each drive) ➤ CAN – Connection cable door drive (CAN – Cable) (5 m each drive) ➤ Connection cable for retiring cam/cabin light (ÖPVC-YZ - 3x1 mm²) (5 m each curve)