

**Item-No: 20P3367.07 Type: KLKJD23MO3****Item Group: Switchgear 3/N/PE 400V KLKJ**

Product status:	Standard
Denomination:	KSVJ Surface-mounted control unit 7–10 A, power cable with CEE 3P+N+E 6H 32A 400V, phase reverse–plug, motor cables, main switch, emergency stop mushroom, pushbutton, remote control, control fuse
Description:	Plastic built-on housing with push buttons main switch and with a remote control
Usage:	Motor starter and braking device for electrical machines and devices of protection class I (protective conductor)
Engine power class:	AC-3 / 7,5kW / 400V / 3~

Equipment	
Low voltage release	Power cable with CEE 3P+N+E 6H 32A 400V phase reverse –plug
Overload protection	2x Motor cable
Main Switch	Emergency stop mushroom push button
Control fuse	

Switching function	0 – 1 auto S-D	Operating mechanism	Push buttons ON/OFF Rotary handle 60° Remote control A/B
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Line data	3/N/PE 400V / 50-60 Hz	Wiring diagram	85P1209
Preliminary fuse (by customers)	max. 25A	Instruction manual	Instruction manual remote control

Technical data		
Rated operational voltage	U_e	400V / 50-60Hz
Rated operational current	I_e	16A
Rated breaking capacity	AC-3	16A / 7,5 kW / 400 V / 3~
Main Switching contacts (main circuit)		Make-contact / 3-pole
Operating mechanism		Electrical ON/OFF
Rated actuating voltage	U_c	230V / 50-60 Hz
Overload protection		thermal / 3-pole / automatic or manually reset
Setting range		7 - 10A (corresponds 12,1 – 17,2A nominal current)
Setting value		0,58x nominal current
Star-Starttime	t₁	0,1s – 100d / adjustable s, m, h, d / (TIME Stern)
Star-Delta switching delay	t₂	0,1 – 1s / adjustable (TIME Star-Delta)
Emergency stop		Stop category 0
Control fuse		F 1A
Circuit		Star-delta / automatic
Make-and-break cycle		10E3
Frequency of operation		65/h
Ambient temperature		0°C / +40°C up to 1000m installation height

Power cable	3,5 m – H05RR-F 5G2,5 mm ² black with plug red 5–pole / Phase reverse
power plug	CEE 3P+N+E / 6h / 32A / 415V / 50-60Hz
Motor cable	2x 1,5 m – H05RR-F 4G2,5 mm ² black
Motor connection	finished with eyelet ends Ø 5,3mm

Protection class	IP	54
Front plate / switching handle		Silver / 0 – 1 (60°) / black, lockable
Housing		ABS / grey
Type		Built-on / closed / push buttons, switching handle on top
Mounting		4 threaded bushings M6 – 198,7 x 170,2mm 4 drill holes Ø 4,2mm - 180,3 x 170,2mm
Dimensions	L x W x H	approx. 238 x 220 x 148 mm (all, without Kabel)
Weight		approx. 3500g

EAN	
Conformity / Tests	CE

Functional description	
Switch ON	- Unlock red mushroom push button - Turn switching handle to 1 - Push the green button or push the A on remote control - Motor starts in Star-Connection - After adjusted Star-Start-Time (0,1s – 100d) and the change-over delay (0,1s - 1s) automatically switch to Delta-Connection - Motor is running in Delta-Connection
Switch OFF while engine is running	- Turn switching handle to 0 - Motor is running out - Push the red button or push the B on remote control - Motor is running out
Low Voltage release	- prevention of restart after voltage breakdown - Triggered during voltage reduction or power failure - Motor is running out - After returning of voltage, it can be switched on again
Overload protection	- Protection against overload current - Triggered when motor current is higher than the default value for a while - Motor is running out - Switching ON is not possible, no function - Switching ON without self-hold is possible - After sufficient cooling-down of the overload protection, switching ON is possible again. - After sufficient cooling-down the overload protection can be reset manually and be switched on again.
Emergency stop	- To protect persons and the machine from endangering and hazards - Push red mushroom push button - Motor is running out - Mushroom push button is locked after being used - Switching ON is not possible, no function - After Unlocking the switch by turning it to the right, it can be switched on again
Control fuse	- Wire protection, protection during short-circuit in the control circuit - Triggered during short-circuit - Motor is running out - Switching ON is not possible, no function - Damaged fuse has to be replaced
Phase reverse switch	- Changing of the phase sequence by turning two contact pins L2/L3 in the power plug - Changing of the rotary field - Motor runs to the other direction



Please note!

- Safety information at www.tripus.com
- **Take particular care when starting the machine from the remote control**
- The motor-protection (Overload-protection) must be adjusted to 0,58x nominal motor current (F1)
- The Star-Start-Time must be adjusted on the scale TIME Star roughly s, m, h, d and exactly .1-1 (0,1s-100d) (K1)
- The Star-Delta-Delay-Time must be adjusted on the scale TIME Star-Delta .1-1s (0,1-1s) (K1)