

**Item-No: 207.152.19 Type: KSVJD23MO3****Item Group: Switchgear 3/N/PE 400V KSVJ**

Product status: Standard
Denomination: KSVJ Anbau-Schaltgerät 11,3-16A, CEE 3P+N+E/6h/16A/400V Phasenwender, 1x M25, 1x BS16, Sanftanlauf, Hauptschalter, Not-Aus Pilztaster, Steuersicherung / 7,5kW-Version
Description: Plastic built-on housing with push buttons, CEE-plug, 1 cable gland and 1 blind plug
Usage: Motor starter for electrical machines and devices of protection class I (protective conductor)
Engine power class: AC-3 / 7,5kW / 400V / 3~

Equipment	
CEE-plug 16A / phase reverse	Connector for Motor
Low voltage release	Connector for thermal overload protection
Overload protection	Connector for limit switch
Softstarter	Connection terminals
Main Switch	1 Cable gland M25
Emergency stop mushroom push button	1 Blind plug M16
Control fuse	

Switching function	0 – 1 Softstart	Operating mechanism	Push buttons ON/OFF Rotary handle / 60°
---------------------------	--------------------	----------------------------	--

Line data	3/N/PE 400V / 50/60Hz	Wiring diagram	851.658
Preliminary fuse (by customers)	max. 16A	Instruction manual	558.466

Technical data		
Rated operational voltage	U_e	400V / 50-60Hz
Rated operational current	I_e	15A
Rated breaking capacity	AC-3	15A / 7,5kW / 400V / 3~
Main Switching contacts (main circuit)		Make-contact / 3-pole
Operating mechanism		electrical ON/OFF
Rated actuating voltage	U_c	230V / 50-60Hz
Softstart		15A / 7,5kW / 400V / 50-60Hz
Minimum engine load		1,5kW (20% of nominal Softstarter load)
Start-up time / Expiry time		0,5 ... 10s / adjustable
Start voltage		0 ... 80% of nominal voltage / adjustable
Time to repeat		200ms
Overload protection		thermal / 3-pole / manual or automatic reset
Setting range		11,3 – 16A
Emergency stop		Stop category 0
Control fuse		F 1A
Circuit		Star or Delta
Make-and-break cycle		10E5
Switching frequency		65/h
Ambient temperature		0°C / +40°C up to 1000m installation height

Line inlet	CEE Plug red 5-pole / phase reverse CEE 3P+N+E / 6h / 16A / 415V / 50-60Hz
PE - Connection	2 Screw terminal 6mm ² r (PE / PE)
Motor - Connection	3 Screw terminal 6mm ² r (U1 / V1 / W1)
Thermal overload protection – Connection	2 Screw terminal 6mm ² r (T1 / T2)
Limit switch - Connection	2 Screw terminal 6mm ² r (S1 / S2)
Outlet	1 screwed cable gland M25 (for cable Ø 13–18mm) 1 drill hole Ø 16,5mm with blind plug M16

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 148mm (all, without cable)
Weight		approx. 2800g

EAN	
Conformity / Tests	CE

Functional description	
Switch ON	- Close external limit switch (Option) - Unlock red mushroom push button - Turn switching handle to 1 - Push the green button - Motor starts with the adjusted start ramp soft on - After adjusted start ramp to semiconductors are bridged - Motor is running directly on the grid
Switch OFF while engine is running	- Turn switching handle to 0 - Motor is running out (no Soft-Stop) - Push the red button - Motor is running out with the adjusted Soft-Stop
Low Voltage release	- Prevention of restart after voltage breakdown - Triggered during voltage reduction or power failure - Motor is running out (no Soft-Stop) - 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 (no Soft-Stop) - Switching ON is not possible, no function - After sufficient cooling-down of the overload protection, switching ON is possible Again (Setting: Reset A) - After sufficient cooling-down the overload protection can be reset manually and be switched on again (Setting Reset M)
Thermal contact in the motor	- Protection during excess temperature of motor - Triggered when limit temperature of motor is exceeded - Motor is running out (no Soft-Stop) - Switching ON is not possible, no function - After sufficient cooling-down of the motor, it can 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 (no Soft-Stop) - 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
Limit switch (Option)	- Switching OFF of the power unit by moving machine parts - Triggered when contact is open - Motor is running out (no Soft-Stop) - After closing the contact, switching ON is possible again.
Control fuse	- Wire protection, protection during short-circuit in the control circuit - Triggered during short-circuit - Motor is running out (no Soft-Stop) - 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 in the power plug - Changing of the rotary field - Motor runs to the other direction



Please note!

- Safety-instruction on www.tripus.com
- The motor-protection (Overload-protection) must be adjusted to nominal motor current (F1)
- The Soft-Start / Soft-Stop must be adjusted according to the instruction manual
- A too short start time (nominal speed is not reached) can damage the Softstarter
- The specified switching frequency must not be exceeded
- By connection a thermal overload protection, the wire bridge between connectors T1 and T2 must be removed
- By connection a limit switch or an Emergency-Stop, the wire bridge between connectors S1 and S2 must be removed