



Item-No: 204.780.09

Type: **KLKUD40BO3****Item Group: Schaltgeräte 3/PE 400V KLKU**

Product status:	Standard
Denomination:	KLKU Anbau-Schaltgerät 4-6,3A, 3~400V, 2x M20, 1x BS16, Bremse 400V/15A ZT Relais, Not-Aus Pilztaster, Unterspannungsauslöser 400V/50Hz
Description:	Plastic built-on housing with push buttons, 2 cable gland and 1 blind plug
Usage:	Motor starter and braking device for electrical machines and devices of protection class I (protective conductor)
Engine power class:	AC-3 / 2,5kW / 400V / 3~

Equipment	
Low voltage release	connector for control contact
Overload protection	connector for thermal overload protection
Short-circuit release	Limit switch contact
Phase failure sensitivity	2 cable glands
Braking module	Connection terminals
Emergency stop mushroom push button	1 blind plug
	Push button cover transparent

Switching function	0 – 1 stop	Operating mechanism	Push buttons ON/OFF
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Line data	3/PE 400V / 50Hz	Wiring diagram	851.478
Preliminary fuse (by customers)	max. 16A	Instruction manual	851.600

Technical data		
Rated operational voltage	U_e	400V / 50Hz
Rated operational current	I_e	6,3A
Rated breaking capacity	AC-3	6,3A / 2,5kW / 400V / 3~
Main Switching contacts (main circuit)		Make-contact / 3-pole
Control contact (potential-free)		Make-contact / 1-pole / 2A / 400V (AC-15) (13/44 / 14/43)
Operating mechanism		mechanical ON/OFF / electrical OFF / tip-free mechanism
Rated actuating voltage	U_c	400V / 50Hz
Own consumption / Standby		<10VA
Overload protection		thermal / 3-pole / automatic reset
Setting range		4 – 6,3A
Braking module		400V / 15A ZT / Relay
Braking current / Setting		Max. 15A / Potentiometer variable
Braking time / Setting / setting value		approx. 1 – 22s / Potentiometer variable / approx. 12s
Short-circuit trip		magnetic
Operating current		14xI _n ±20%
Emergency stop		Stop category 1
Make-and-break cycle		10E3
Frequency of operation		25/h
Ambient temperature		-5°C / +40°C

Line inlet	1 screwed cable connection M20 (for cable Ø 10–14 mm) 4 screw terminals 6mm ² r (PE / 1/L1 / 3/L2 / 5/L3)
Mounting possibility for limit switch	3 screw terminals 6mm ² r (PE / S1 / S2)
Motor connection	4 screw terminals 6mm ² r (PE / 2/T1 / 4/T2 / 6/T3)
Connection possibility of thermal overload protection	2 screw terminals 6mm ² r (T1 / T2)
Outlet	1 screwed cable connection M20 (for cable Ø 10–14 mm) 1 drill hole Ø 16,5mm with clamping gland M16

Protection class	IP	54
Housing		ABS / grey
Type		Built-on / closed / push buttons on top
Mounting		4 threaded bushings M5 – 168 x 94mm
Dimensions	L x W x H	approx. 265 x 121 x 127mm
Weight		approx. 955g

EAN	4250318213845
Conformity / Tests	CE

Funktionsbeschreibung / Functional description	
Switch ON	- Unlock red mushroom push button - Push the green button - Motor is running
Switch OFF while engine is running	- Push the red button - Brake is active for about 1 – 22s (approx. 12s) - Motor is slowed down
Switch ON during Braking process	- not possible - Motor continues to slow down until the end of the preset braking time

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 being slowed down - Switching ON is not possible, no function - After sufficient cooling-down of the overload protection, switching ON is possible again.
Thermal contact in the motor	- Protection during excess temperature of motor - Triggered when limit temperature of motor is exceeded - Motor is being slowed down - Switching ON is not possible, no function - After sufficient cooling-down of the motor, it can be switched on again
Short-circuit release	- Protection during short-circuit current - Triggered during a short-circuit in the motor's feed cable or in the motor itself - Motor is running out
Phase failure sensitivity	- Protection during single-phase operation - Triggered during failure of one or two external conductors - Motor is running out
Emergency stop	- To protect persons and the machine from endangering and hazards - Push red mushroom push button - Motor is being slowed down - 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	- Switching OFF from the power unit by moving machine parts - Triggered when contact is open - Motor is being slowed down - After closing the contact, switching ON is possible again.



Please note!

- Safety Instructions on www.tripus.com
- Calibration of the brake according to instruction manual 851.600 / measure brake current in U1 (2/T1) core
- Do not operate on generators, emergency generators, power generators or mains converters