Kraus & Naimer

Sample image

Datasheet

Article number: 70017532
Designation: KG125.T206/88.STM
Description: Switch Global Disconnector

IEC 60947-3 EN 60947-3, VDE 0660 Teil 107

Rated insulation voltage Ui

Voltage (V)	AC / DC
1000	50/60Hz

Rated uninterrupted current Iu/Ith

Current (A)	Ambient temperature (°C)	Peak temperature (°C)	additional requirements
125	50	55	Ambient temperature +50°C during 24 hours with peaks up to +55°C

Rated operational current Ie

Utilization category	Voltage (V)	Current (A)
AC-32A	20 - 400	125

Rated operational power

Utilization category	Voltage (V)	No. of phases	No. of poles	Power (kW)
AC-3	220 - 240	3	3	22
AC-3	380 - 440	3	3	37
AC-3	660 - 690	3	3	30
AC-23A	220 - 240	3	3	30
AC-23A	380 - 440	3	3	45
AC-23A	660 - 690	3	3	37

Max. Fuse rating IEC

Fuse characteristic	No. of Fuses	Current (A)
gG	1	125

UL60947-4-1 , UL508

Nominal Voltage

Voltage (V)	AC / DC
600	AC

Rated insulation voltage Ui

Voltage (V)	AC / DC
600	AC

Rated thermal current

Current (A)	Ambient temperature (°C)	Additional Text
150	0 - 40	ON-OFF switch (Valid when connected with wire rated for 75°C)
125	0 - 40	Change over switch (Valid when connected with wire rated for 75°C)

Horsepower rating

Across-the-Line Motor Starting	Voltage (V)	No. of phases	No. of poles	Power (HP)	Ambient temperature [°C]
DOL	110 - 120	1	2	7,50	40
DOL	220 - 240	1	2	20	40
DOL	277 - 277	1	2	20	40
DOL	440 - 480	1	2	35	40
DOL	550 - 600	1	2	35	40
DOL	110 - 120	3	3	15	40
DOL	220 - 240	3	3	30	40
DOL	440 - 480	3	3	60	40
DOL	550 - 600	3	3	60	40

SCCR / Max. fuse rating

Conditions of acceptability

This device is suitable for use on circuits capable of delivering not more than 10kA rms symmetrical amperes, 600V ac max. when protected by Type RK1 fuses.
Suitable for use on a circuit capable of delivering not more than 65000 rms symmetrical amperes at 600V max., when protected by 300A Class J fuses.

Temp. rating of wire

Temperature rating (°C)	Current (A)	Text
75	--	--

General Use

AC / DC	Voltage (V)	Current (A)	No. of phases	No. of poles	No. of contacts in series
AC	277	125	1	1	1
AC	277	150	1	1	1
AC	600	150	1	2	1
AC	600	150	3	3	1
AC double-throw function	600	125	1	2	1
AC double-throw function	600	125	3	3	1

Kraus & Naimer

General Information

Text

- The operating handle and position indicating means to be used with these manual motor controllers should be provided from the manufacturer, or the operating handle and position indicating means to be used should have been previously evaluated in combination with the manual motor controllers.

CSA

Nominal Voltage

Voltage (V)	AC / DC
600	AC

Rated insulation voltage Ui

Voltage (V)	AC / DC
600	AC

Rated thermal current

Current (A)	Ambient temperature (°C)	Additional Text
150	0 - 40	--

Horsepower rating

Across-the-Line Motor Starting	Voltage (V)	No. of phases	No. of poles	Power (HP)	Ambient temperature [°C]
DOL	110 - 120	1	2	7,50	40
DOL	220 - 240	1	2	20	40
DOL	277 - 277	1	2	20	40
DOL	440 - 480	1	2	35	40
DOL	550 - 600	1	2	35	40
DOL	110 - 120	3	3	15	40
DOL	220 - 240	3	3	30	40
DOL	440 - 480	3	3	60	40
DOL	550 - 600	3	3	60	40

Temp. rating of wire

Temperature rating (°C)	Current (A)	Text
75	--	--

General Use

AC / DC	Voltage (V)	Current (A)	No. of phases	No. of poles	No. of contacts in series
AC	277	150	1	1	1
AC	600	150	1	2	1
AC	600	150	3	3	1

GENERAL TECHNICAL INFORMATION

Size of conductor

composition of conductor	Min. / Max. value	No. of conductor per terminal	Cross section (mm²) or (AWG/kcmil)	Material of the wire
Solid wire	Min.	1	6mm²	Copper
Flexible wire	Max.	1	70mm²	Copper
Flexible wire	Min.	1	16mm²	Copper
Flexible wire	Max.	1	AWG 2/0	Copper
Single-core or stranded wire	Max.	1	95mm²	Copper
Single-core or stranded wire	Max.	1	AWG 3/0	Copper
Flexible wire with sleeve	Max.	1	70mm²	Copper
Flexible wire with ferrule according to DIN 46228	Min.	1	10mm²	Copper

Stripping length

Length (mm)	--
18	

Recommended screw driver

Type of screw driver	Value
Hex key	5

Tightening torque of screws

tightening torque (Nm)	tightening torque (lb-in)
14	125

Approbations

Specification	Marking
CE marking	
UK Directives	
UL 60947-4-1; CSA C22.2 No. 60947-4-1	
CSA C.22.2 No.14	
GB/T14048.3	

General Information

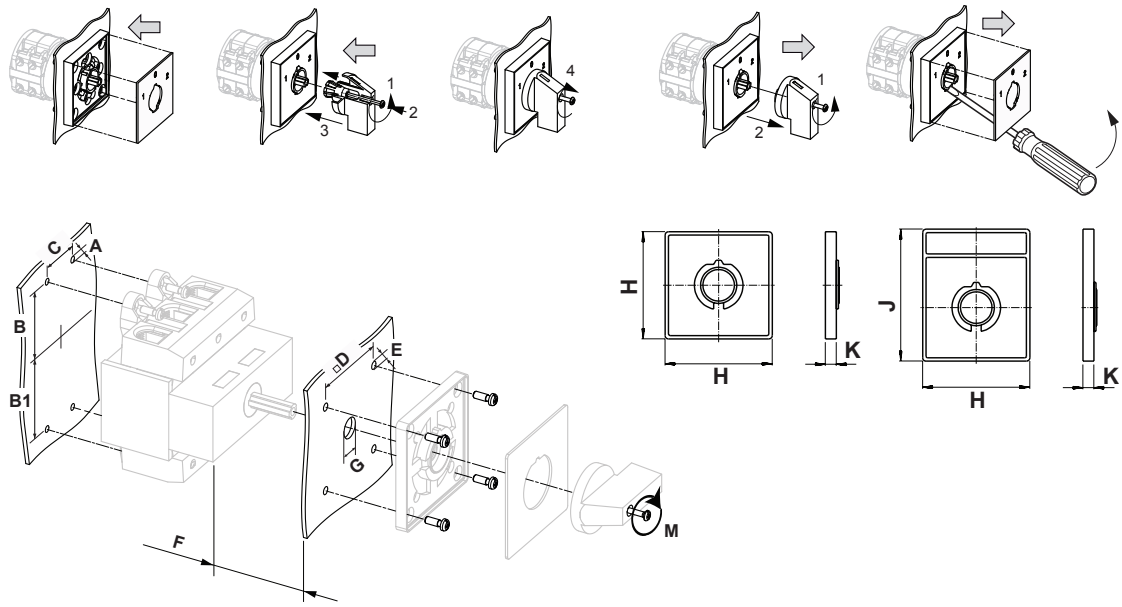
Text

- Use only copper wires with or without tinned/silver-plated individual wires. Soldering the end of the wire before wiring is not allowed.
- EMC Note: This device is suitable for use in environment A and B.
- Terminals with factory fitted jumper links are tightened during production for loss prevention. When opening the terminal clamps, make sure that no factory fitted links get lost and that all wire connections are properly seated.
- After wiring, ALL terminal screws must be tightened to the specified torque values.

General Information	
Text	
- The protection class of the selected mounting type may vary if optional extras are used.	
- Do not lubricate or treat contacts.	
- Switches may only be mounted, connected and set into operation by qualified persons according to the accepted rules of technology.	
Waste Electrical & Electronic Equipment (WEEE)	
Picture name	*Description*
	Do not throw in the trash as care must be taken to ensure environmentally sound disposal and recycling. Please either use an environmentally friendly waste disposal company; return to the supplier for disposal; or return direct to the manufacturer, Kraus & Naimer. You can find local Kraus & Naimer offices at www.krausnaimer.com
Proposition 65	
Picture name	*Description*
	WARNING: This product can expose you to chemicals including nickel and lead, which is known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov.

Classification Contact: Rigid contact bridge
Classification Contact Mat: Silver
Classification Terminal: Screw terminal

Mounting-VE



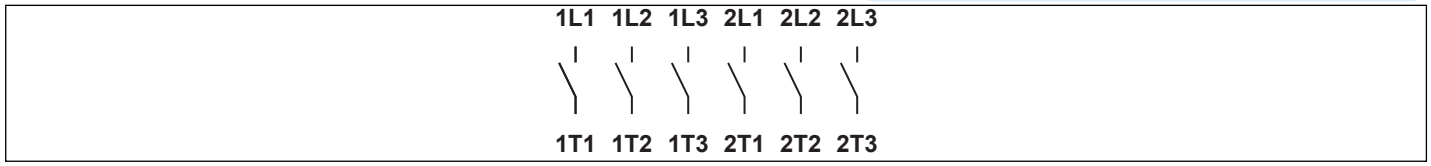
IP - Code front side		IP40
Stages		6,00 - 12,00
A	Ø	6,40 mm
B	⊢	59,00 - 61,00 mm
B1	⊢	59,00 - 61,00 mm
C	⊢	76,00 mm
D	□	68,00 mm
E	Ø	6,00 mm
F	⊢	<= 16,00 mm
G	Ø	13,00 - 17,00 mm
H	⊢	88,00 mm
J	⊢	124,00 mm
K	⊢	8,50 mm
M	⍦	1,20 Nm

Front mounting plates must be mounted with M5 x 25mm cylinder head screws or oval head screws, washers, and nuts. Please note that these components are not included in the scope of delivery.

Kraus & Naimer

Wiring diagram

KG125.T306.VE



Kraus & Naimer

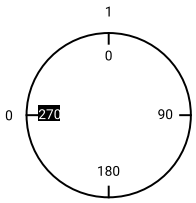
Switch program

KG125.T306.VE

Kraus & Naimer

KG125	T306	Page 1 of 1

Face Plate



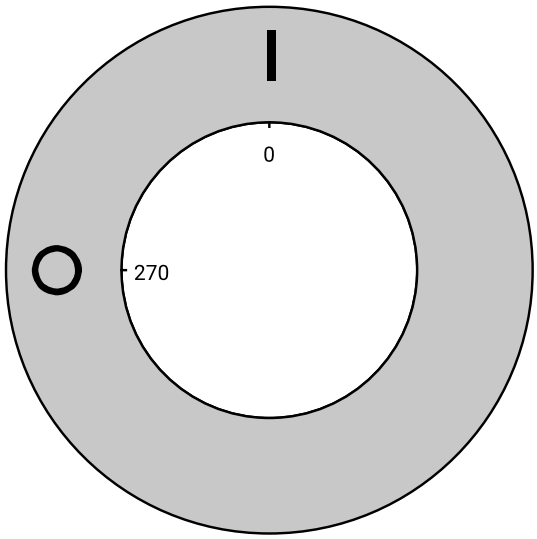
		1L1	1L2	1L3	2L1	2L2	2L3		
		1	3	5	7	9	11	13	15
Switching Angle 90		2	4	6	8	10	12	14	16
Total switching Angle 90		1T1	1T2	1T3	2T1	2T2	2T3		
0	270								
1	0	■	■	■	■	■	■		
	90								
	180								

Version: 117

Kraus & Naimer

Face plate

S2.F456/C10.V11



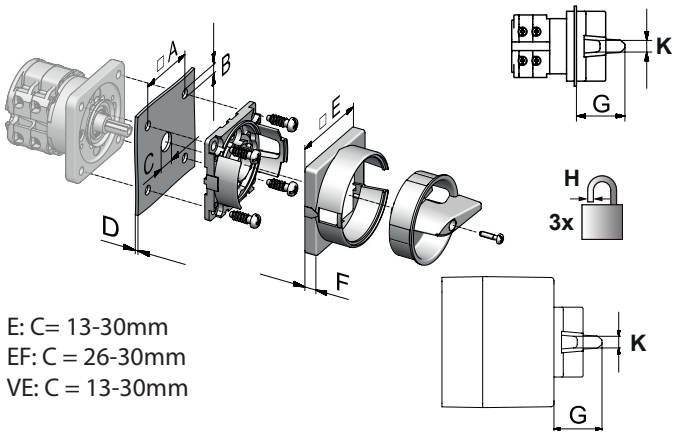
Kraus & Naimer

Sample image

PADLOCK DEVICE

with F-handle ring for type of mounting E, EF, E22, FT, VE, GK, PN, PF, KS (S00)

Designation: S2.V840D/D6
Color of F-handle ring: "D" red
Color of face ring: "6" yellow



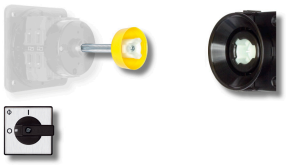
E: C= 13-30mm
EF: C = 26-30mm
VE: C = 13-30mm

A	□	68,00 mm	B	⊢	6,00 mm	D	⊢	5,50 mm
E	□	88,00 mm	F	⊢	9,00 mm	G	⊢	48,50 mm
H	⌀	7,00 - 8,50 mm	K	⊢	10,00 mm			

S2D.V840.10

When used with M280D, M280E or M280F, the part S2D.V840.10 is not needed.

Kraus & Naimer



Sample image

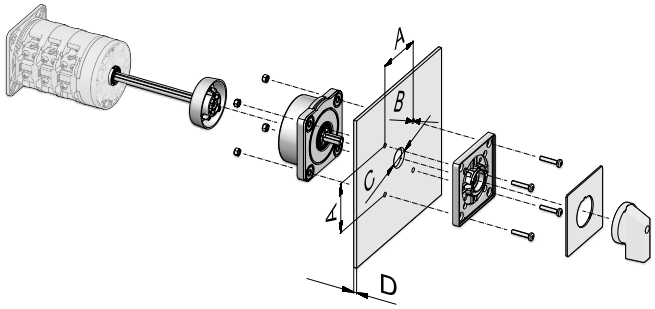
STANDARD DOOR CLUTCH

with shaft extension/asymmetric profile (with arresting screw)

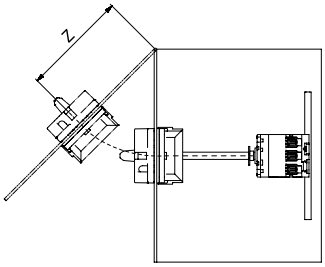
Designation: S2.M280E/B21S-EF
Type of interlock: "B2" with protected profile and interlock by door clutch
Shaft length: "1" 60 - 90 mm
Application: "S" for type of mounting VE
Type of version: "-EF" splash proof (IP66/67)

YouTube

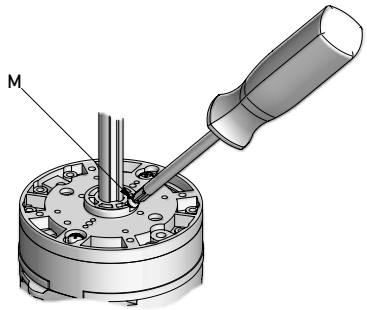
youtube.com /watch?v=9AmLH1rVVdo



A	□	68,00 mm	B	⌀	6,00 mm	C	⌀ 26,00 - 30,00 mm
D	⊢	5,50 mm					

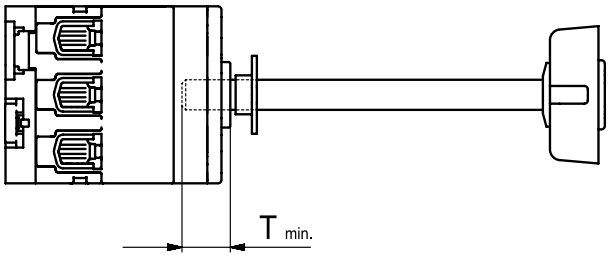


Z	⊢	>= 110,00 mm		

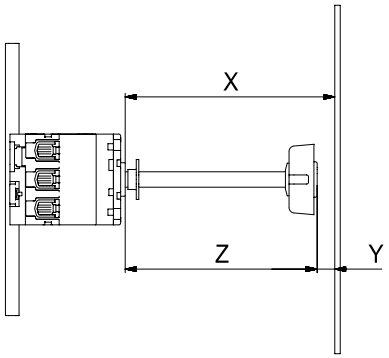


M	m̂	0,80 Nm		

1. Loosen the screw
2. Move shaft
3. Tighten the screw



T	=	>= 18,00 mm		



Y	=	12,10 mm		

The adjustable length of the “Z” axis corresponds to the customer-specific dimension ‘X’ minus the fixed dimension “Y”. Z=X-Y

Kraus & Naimer

Sample image

AUXILIARY CONTACTS

for KG125-KG317 - ON/OFF Switches

Designation: K3A.M510B/11A-B
Number of NO-contacts: "1" total number of NO/NC-contacts max. 8 contacts
Number of NC-contacts: "1" total number of NC/NO-contacts max. 8 contacts
Version: "A" Standard (silver)
Type of mounting: "-B" for type of mounting VE

IEC 60947-3 EN 60947-3, VDE 0660 Teil 107

Rated insulation voltage Ui

Voltage (V)	*AC / DC*
690	50/60Hz

Rated uninterrupted current Iu/Ith

Current (A)	*Ambient temperature (°C)*	*Peak temperature (°C)*	*additional requirements*
16	55	60	Ambient temperature +55°C during 24 hours with peaks up to +60°C

Rated operational current Ie

Utilization category	*Voltage (V)*	*Current (A)*
AC-15	110 - 120	6
AC-15	220 - 240	5
AC-15	380 - 440	4
AC-15	500	1,50
AC-21A	20 - 690	16

Max. Fuse rating IEC

Fuse characteristic	*No. of Fuses*	*Current (A)*
gG	1	16

UL60947-4-1 , UL508

Nominal Voltage

Voltage (V)	*AC / DC*
600	AC

Rated insulation voltage Ui

Voltage (V)	*AC / DC*
600	AC

Rated thermal current

Current (A)	*Ambient temperature (°C)*	*Additional Text*
10	0 - 40	--

Pilot duty rating code

Duty Code
A600

Temp. rating of wire

Temperature rating (°C)	*Current (A)*	*Text*
75	--	--

General Use

AC / DC	*Voltage (V)*	*Current (A)*	*No. of phases*	*No. of poles*	*No. of contacts in series*
AC	600	10	1	1	1

GENERAL TECHNICAL INFORMATION

Size of conductor

composition of conductor	*Min. / Max. value*	*No. of conductor per terminal*	*Cross section (mm²) or (AWG/kcmil)*	*Material of the wire*
Solid wire	Min.	1	0.5mm²	Copper
Solid wire	Min.	2	0.5mm²	Copper
Flexible wire	Min.	1	0.75mm²	Copper
Flexible wire	Min.	2	0.75mm²	Copper
Flexible wire	Max.	2	2.5mm²	Copper
Flexible wire	Max.	2	AWG 14	Copper
Single-core or stranded wire	Max.	2	AWG 12	Copper
Single-core or stranded wire	Max.	2	2.5mm²	Copper
Flexible wire with ferrule according to DIN 46228	Min.	1	0.5mm²	Copper
Flexible wire with ferrule according to DIN 46228	Max.	2	2.5mm²	Copper
Flexible wire with ferrule according to DIN 46228	Min.	2	0.5mm²	Copper

Stripping length

Length (mm)	--

Recommended screw driver

Type of screw driver	*Value*
Slot screwdriver according to DIN 5264	0,8x4

Recommended screw driver	
Type of screw driver	*Value*
Cross Screwdriver	PH1

Tightening torque of screws	
tightening torque (Nm)	*tightening torque (lb-in)*
0,60	5

General Information

Text

- Use only copper wires with or without tinned/silver-plated individual wires. Soldering the end of the wire before wiring is not allowed.
- Terminals with factory fitted jumper links are tightened during production for loss prevention. When opening the terminal clamps, make sure that no factory fitted links get lost and that all wire connections are properly seated.
- After wiring, ALL terminal screws must be tightened to the specified torque values.
- Do not lubricate or treat contacts.
- Switches may only be mounted, connected and set into operation by qualified persons according to the accepted rules of technology.