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Sample image

Datasheet

Article number: 70019082
Designation: KG160.T104/35.STM
Description: Switch Global Disconnector

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

Rated insulation voltage Ui

Voltage (V)	AC / DC
1000	AC

Rated uninterrupted current Iu/Ith

Current (A)	Ambient temperature (°C)	Peak temperature (°C)	additional requirements
160	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	160

Rated operational power

Utilization category	Voltage (V)	No. of phases	No. of poles	Power (kW)
AC-3	220 - 240	3	3	30
AC-3	380 - 440	3	3	45
AC-3	660 - 690	3	3	37
AC-23A	220 - 240	3	3	30
AC-23A	380 - 440	3	3	55
AC-23A	660 - 690	3	3	37

Max. Fuse rating IEC

Fuse characteristic	No. of Fuses	Current (A)
gG	1	160

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
200	0 - 40	ON-OFF switch (Valid when connected with wire rated for 75°C)
160	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	10	40
DOL	220 - 240	1	2	25	40
DOL	277 - 277	1	2	25	40
DOL	440 - 480	1	2	40	40
DOL	550 - 600	1	2	40	40
DOL	110 - 120	3	3	20	40
DOL	220 - 240	3	3	40	40
DOL	440 - 480	3	3	75	40
DOL	440 - 480	3	3	75	60
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	200	1	1	1
AC	600	200	1	2	1
AC	600	200	3	3	1
AC double-throw function	277	160	1	1	1
AC double-throw function	600	160	1	2	1

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General Use

AC / DC	Voltage (V)	Current (A)	No. of phases	No. of poles	No. of contacts in series
AC double-throw function	600	160	3	3	1

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
200	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	10	40
DOL	220 - 240	1	2	25	40
DOL	277 - 277	1	2	25	40
DOL	440 - 480	1	2	40	40
DOL	550 - 600	1	2	40	40
DOL	110 - 120	3	3	20	40
DOL	220 - 240	3	3	40	40
DOL	440 - 480	3	3	75	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	200	1	1	1
AC	600	200	1	2	1
AC	600	200	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
EAC	
CE marking	
UK Directives	
CSA C.22.2 No.14	
GB/T14048.3	

General Information

Text

- EMC Note: This device is suitable for use in environment A and B.

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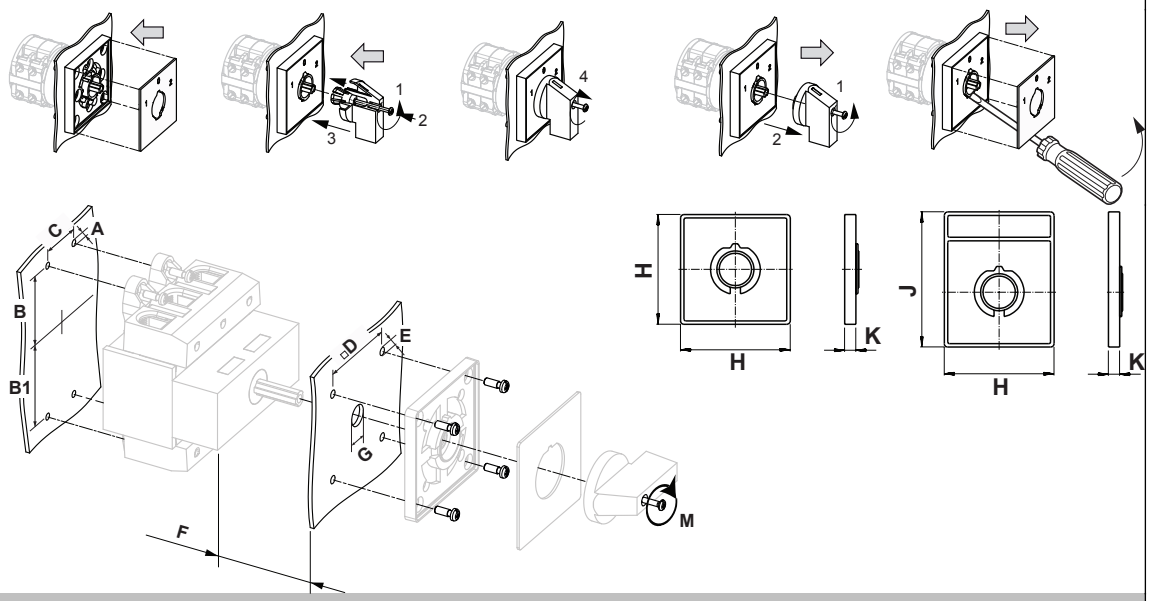
General Information	
Text	
- Do not lubricate or treat contacts.	
- Switches may only be mounted, connected and set into operation by qualified persons according to the accepted rules of technology.	
- Use copper wire only. Do not coat the wire end with tin.	
- Terminals with factory fitted jumper links are tightened during production. Take care during installation to ensure factory fitted links are not lost by undoing both sides of linked terminals. After wiring, all terminal screws must be tightened to recommended torque specifications.	
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		1,00 - 5,00
A	⌀	6,40 mm
B	⊢	59,00 - 61,00 mm
B1	⊢	59,00 - 61,00 mm
C	⊢	36,00 mm
D	□	68,00 mm
E	⌀	6,00 mm
F	⊢	<= 16,00 mm
G	⌀	13,00 - 17,00 mm
H	⊢	88,00 mm
J	⊢	124,00 mm
K	⊢	8,50 mm
M	M	1,20 Nm

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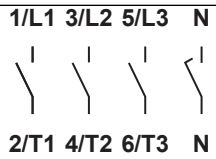
Wiring diagram

KG160.T304.VE



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Switch program

KG160.T304.VE

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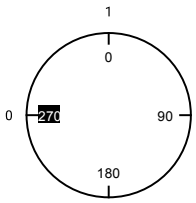
Face Plate



Switching Angle 90
Total switching Angle 90

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

Version: 84

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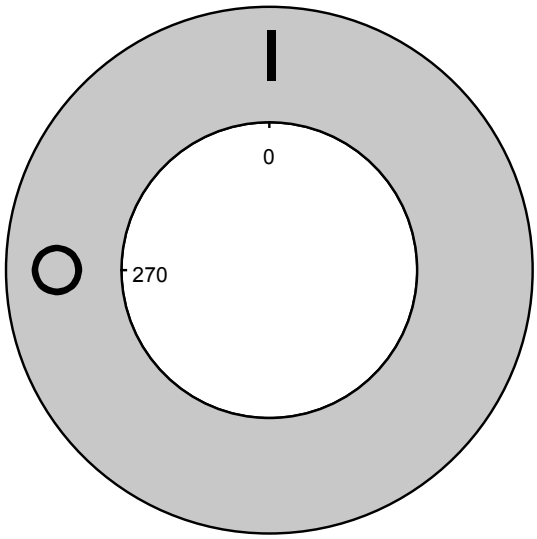
Face plate

S2.F456/C10.V11



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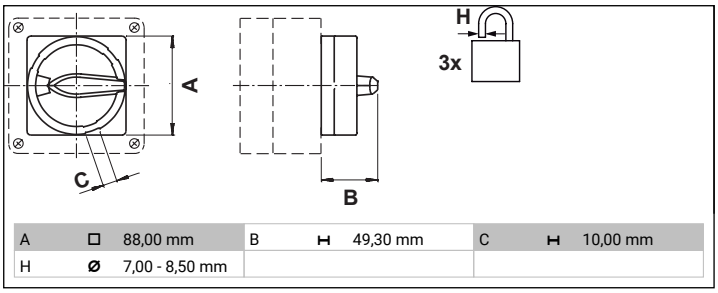
Sample image

PADLOCK DEVICE

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

Designation: S2.V840D/B7
Colour of F-handle ring: "B" electro-grey
Colour of face ring: "7" electro-grey



A	□	88,00 mm	B	⊢	49,30 mm	C	⊢ 10,00 mm
H	⌀	7,00 - 8,50 mm					

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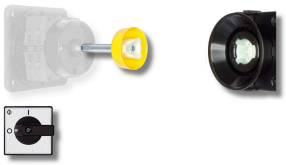
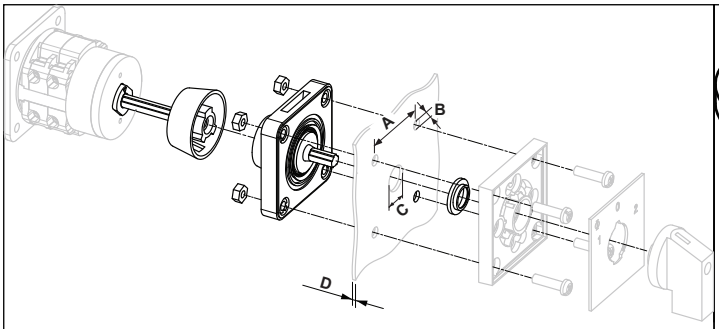


Sample image

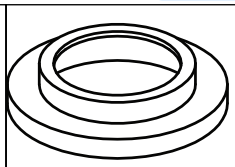
STANDARD DOOR CLUTCH

with shaft extension/asymmetric profile (with arresting screw)

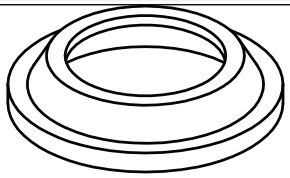
Designation: S2.M280E/B21S-EF
Type of interlock: "B2" with protected profile and interlock by door clutch
Shaft length: "1" 60 - 90 mm
Application: "S" for type of mounting VE
Type of version: "-EF" splash proof (IP66/67)



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

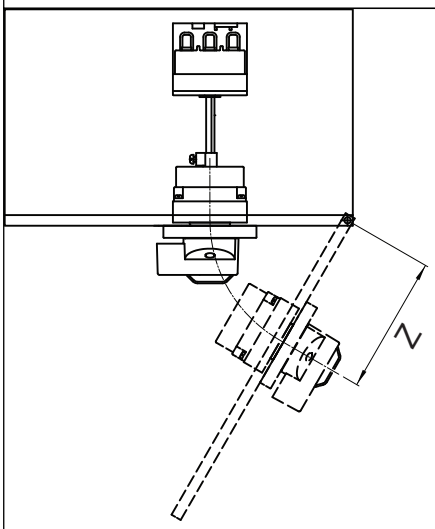


S2D V840 10

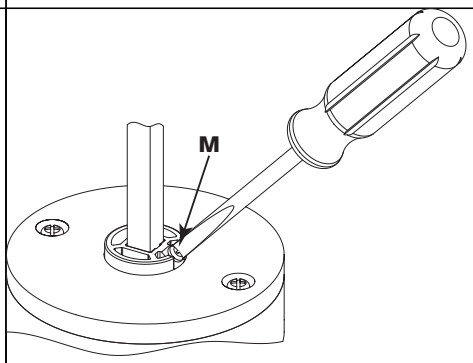


S3D V840 10

If S2 V840D or S2/S3 V845 will be applied with M280D, M280E or M280F, separately delivered parts S2D V840 10 resp. S3D V840 10 are not needed.



Z	⊢ >= 110,00 mm				



M	⍬ 0,80 Nm				

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