



Sample image

Datasheet

Article number: 70019079

Designation: KG160.T103/41.STM

Description: Switch Global Disconnecter

IEC 60947-3 EN 60947-3, VDE 0660 Teil 107						
Märkdriftspänning Ui						
Spänning (V) AC / DC						
1000 AC						
Märkdriftström vid konstant drift						
Ström (A)	Omgivningstemperatur (°C)	Temperatur topp (°C) ytterligare krav				
160	50	55 Omginingstemperatur +50°C under 24 timmar med toppar upp till +55°C				
Märkdriftström Ie						
Urvals kriterie		Spänning (V)				Ström (A)
AC-32A		20 - 400				160
Märkdrifteffekt						
Urvals kriterie	Spänning (V)	No. of phases		No. of poles		Effekt (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 försäkring, IEC						
Säkringskaraktéristik				Antal säkringar		Ström (A)
gG				1		160
UL60947-4-1 , UL508						
Nominal Voltage						
Spänning (V) AC / DC						
600 AC						
Märkdriftspänning Ui						
Spänning (V) AC / DC						
600 AC						
Rated thermal current						
Ström (A)		Omgivningstemperatur (°C)		Additional Text		
200				0 - 40 ON-OFF switch (Valid when connected with wire rated for 75°C)		
160				Change over switch (Valid when connected with wire rated for 0 - 40 75°C)		
Horsepower rating						
Across-the-Line Motor Starting		Spänning (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)			Ström (A) Text			
75			-- --			
General Use						
AC / DC	Spänning (V)	Ström (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	

General Use						
AC / DC	Spänning (V)	Ström (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						
				Spänning (V)	AC / DC	
				600	AC	
Märkdriftspänning Ui						
				Spänning (V)	AC / DC	
				600	AC	
Rated thermal current						
		Ström (A)	Omgivningstemperatur (°C)		Additional Text	
		200	0 - 40		--	
Horsepower rating						
Across-the-Line Motor Starting			Spänning (V)	No. of phases	No. of poles	Power (HP)
			110 - 120	1	2	10
DOL			220 - 240	1	2	25
DOL			277 - 277	1	2	25
DOL			440 - 480	1	2	40
DOL			550 - 600	1	2	40
DOL			110 - 120	3	3	20
DOL			220 - 240	3	3	40
DOL			440 - 480	3	3	75
DOL			550 - 600	3	3	60
						40
Temp. rating of wire						
			Temperature rating (°C)	Ström (A)	Text	
			75	--	--	
General Use						
AC / DC	Spänning (V)	Ström (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)	
solid wire	Min.		1		6mm²	
flexible wire	Max.		1		70mm²	
flexible wire	Min.		1		16mm²	
flexible wire	Max.		1		AWG 2/0	
Single-core or stranded wire	Max.		1		95mm²	
Single-core or stranded wire	Max.		1		AWG 3/0	
flexible wire with sleeve	Max.		1		70mm²	
flexible wire with ferrule according to DIN 46228	Min.		1		10mm²	
Stripping length						
			Length (mm) --			
						
Rekomenderad skruvmejsel						
Typ av skruvmejsel			Value			
Insex			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.						

General Information

Text

- Smörjning och behandling av kontaktarna är förbjuden.
- Inkoppling och service av strömställaren får endast utföras av behörig personal. Strömställaren är underhållsfri.
- Använd endast kopparkabel. Kabeln får inte förtennas.
- Alla anslutningsskruvar måste dras med rekommenderat moment, även de som inte används då det kan finnas interna överkopplingar.

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



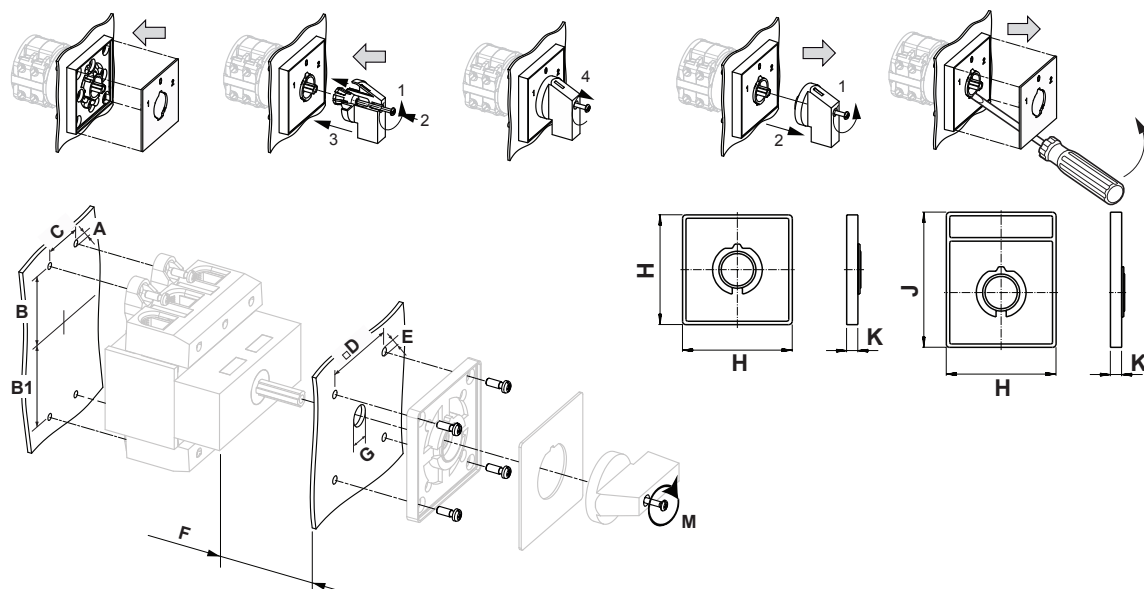
WARNING: This product can expose you to chemicals including nickel and lead, which is known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov.

Classification Contact: Rigid contact bridge

Classification Contact Mat: Silver

Classification Terminal: Screw terminal

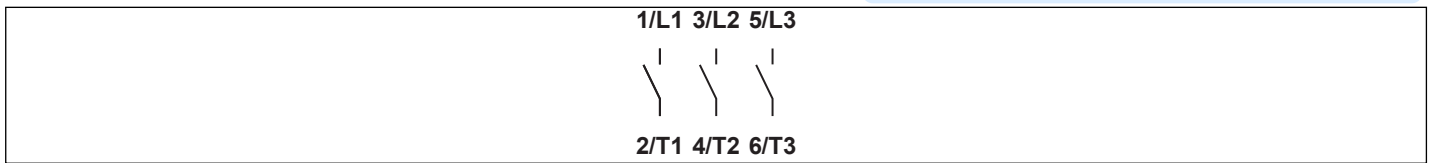
Mounting-VE



Skyddsklass frontpanel, IP		IP40
Stages		1,00 - 5,00
A	Ø	6,40 mm
B	H	59,00 - 61,00 mm
B1	H	59,00 - 61,00 mm
C	H	36,00 mm
D	□	68,00 mm
E	Ø	6,00 mm
F	H	<= 16,00 mm
G	Ø	13,00 - 17,00 mm
H	H	88,00 mm
J	H	124,00 mm
K	H	8,50 mm
M	M	1,20 Nm

Wiring diagram

KG160.T303.VE



Switch program

KG160.T303.VE



Kraus & Naimer

KG160
T303

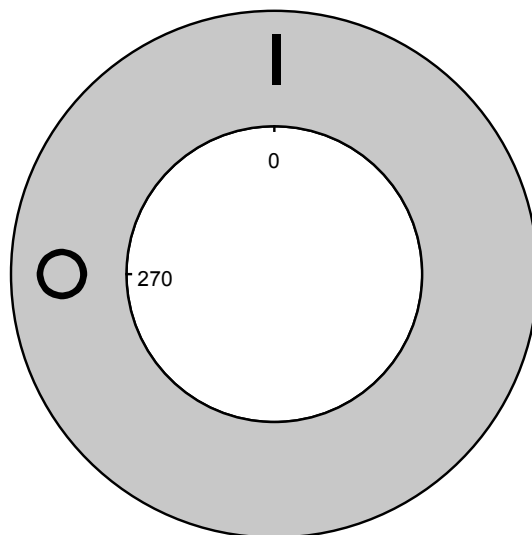
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Face Plate									
	1/L1	3/L2	5/L3						
	1	3	5	7	9	11	13	15	
									
Switching Angle	90	2	4	6	8	10	12	14	16
Total switching Angle	90	2/T1	4/T2	6/T3					
0	270								
1	0								
	90								
	180								

Version: 84

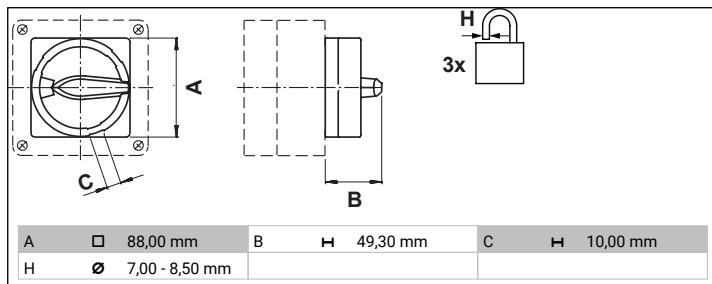
Face plate

S2.F456/C10.V11





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



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

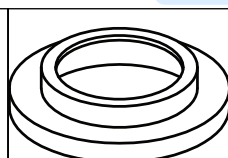
Shaft length: "1" 60 - 90 mm

Application: "S" for type of mounting VE

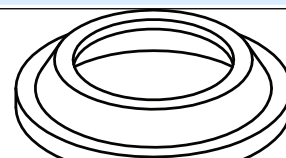
Type of version: "-EF" splash proof (IP66/67)



A	□ 68,00 mm	B	∅ 6,00 mm	C	∅ 26,00 - 30,00 mm
D	H 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	H >= 110,00 mm		
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M  0,80 Nm

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



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					
Märkdriftspänning Ui					
			Spänning (V) AC / DC		
			690 AC		
Märkdriftström vid konstant drift					
Ström (A)	Omgivningstemperatur (°C)	Temperatur topp (°C) ytterligare krav			
16	55	60 Omgivningstemperatur +55°C under 24 timmar med toppar upp till +60°C			
Märkdriftström Ie					
Urvals kriterie		Spänning (V)		Ström (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 försäkring, IEC					
Säkringskaraktéristik			Antal säkringar		Ström (A)
gG			1		16
UL60947-4-1 , UL508					
Nominal Voltage					
			Spänning (V) AC / DC		
			600 AC		
Märkdriftspänning Ui					
			Spänning (V) AC / DC		
			600 AC		
Rated thermal current					
		Ström (A)	Omgivningstemperatur (°C)		Additional Text
		10	0 - 40		--
Pilot duty rating code					
Duty Code					
A600					
Temp. rating of wire					
		Temperature rating (°C)		Ström (A) Text	
		75		-- --	
General Use					
AC / DC	Spänning (V)	Ström (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)	
solid wire	Min.		1	0,5mm²	
solid wire	Min.		2	0,5mm²	
flexible wire	Min.		1	0,75mm²	
flexible wire	Min.		2	0,75mm²	
flexible wire	Max.		2	2,5mm²	
flexible wire	Max.		2	AWG 14	
Single-core or stranded wire	Max.		2	AWG 12	
Single-core or stranded wire	Max.		2	2,5mm²	
flexible wire with ferrule according to DIN 46228	Max.		2	2,5mm²	
flexible wire with ferrule according to DIN 46228	Min.		1	0,5mm²	
flexible wire with ferrule according to DIN 46228	Min.		2	0,5mm²	
Stripping length					
Length (mm) --					
8 L					
Rekomenderad skruvmejsel					
Typ av skruvmejsel			Value		
Slot screwdriver according to DIN 5264			0,8x4		

Rekomenderad skruvmejsel	
Typ av skruvmejsel	Value
Stjärnskruvmejsel	PH1
Tightening torque of screws	
	tightening torque (Nm)
	0,60
tightening torque (lb-in)	
5	
Approbations	
Specification	Marking
EAC	
General Information	
Text	
- Smörjning och behandling av kontakterna är förbjuden. - Inkoppling och service av strömställaren får endast utföras av behörig personal. Strömställaren är underhållsfri. - Använd endast kopparkabel. Kabeln får inte förtennas.	
13 21  14 22	