

Sample image

Datasheet

Article number: 70031320

Designation: KA40T.T103/E1.KL11V

Description: Switchgear

IEC 60947-3 EN 60947-3, VDE 0660 Teil 107					
Rated insulation voltage Ui					
Voltage (V) AC / DC					
690 AC					
Rated uninterrupted current Iu/Ith					
Current (A)	Ambient temperature (°C)	Peak temperature (°C) additional requirements			
40	50	55 Ambient temperature +50°C during 24 hours with peaks up to +55°C			
Rated operational power					
Utilization category	Voltage (V)	No. of phases	No. of poles	Power (kW)	
AC-3	220 - 240	3	3	7,50	
AC-3	380 - 440	3	3	15	
AC-3	660 - 690	3	3	15	
AC-23A	220 - 240	3	3	11	
AC-23A	380 - 440	3	3	20	
AC-23A	660 - 690	3	3	25	
Max Fuse Rating IEC					
Fuse characteristic	No. of Fuses			Current (A)	
gG	1			50	
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	
42		0 - 40		--	
Horsepower rating					
Across-the-Line Motor Starting		Voltage (V)	No. of phases	No. of poles	Power (HP)
DOL		110 - 120	1	2	2
DOL		220 - 240	1	2	5
DOL		277 - 277	1	2	7,50
DOL		415 - 415	1	2	7,50
DOL		440 - 480	1	2	10
DOL		550 - 600	1	2	10
DOL		110 - 120	3	3	5
DOL		220 - 240	3	3	15
DOL		415 - 415	3	3	15
DOL		440 - 480	3	3	25
DOL		550 - 600	3	3	30
Pilot duty rating code					
Duty Code					
A600					
SCCR / Max. fuse rating					
Conditions of acceptability					
Suitable for use on a circuit capable of delivering not more than 65000 rms symmetrical amperes 600V max., when protected by 60A Class J fuses.					
Suitable for use on a circuit capable of delivering not more than 5000 rms symmetrical Amperes 600 V max. when protected by 60A Class K5 fuses.					
Suitable for use on a circuit capable of delivering not more than 10000 rms symmetrical amperes 600 V max. when protected by 90A Class J fuses.					
Temp. rating of wire					
Temperature rating (°C)		Current (A)		Text	
75				-- Use copper wire only	
General Use					
AC / DC	Voltage (V)	Current (A)	No. of phases	No. of poles	No. of contacts in series
AC	277	42	1	1	1
AC	600	42	1	2	1
AC	600	42	3	3	1
General Information					
Text					
- Use fuses only					

General Information

Text

- WARNING: The opening of the branch-circuit protective device may be an indication that a fault current has been interrupted. To reduce the risk of fire or electric shock, current-carrying parts and other components of the controller shall be examined and replaced if damaged. AVERTISSEMENT: Le déclenchement du dispositif de protection de la dérivation peut signifier qu'un courant de fuite a été interrompu. Pour réduire les risques d'incendie et de choc électrique, les pièces porteuses de courant et autres pièces de la commande doivent être examinées et remplacées au besoin.

GENERAL TECHNICAL INFORMATION

Size of conductor

composition of conductor	Min. / Max. value	No. of conductor per terminal	Cross section (mm ²) or (AWG/kcmil)	Material of the wire
flexible wire	Max.	1	AWG 6	Copper
flexible wire	Min.	1	4mm ²	Copper
flexible wire	Max.	1	16mm ²	Copper
flexible wire	Min.	1	AWG 14	Copper
Single-core or stranded wire	Min.	1	2.5mm ²	Copper
Single-core or stranded wire	Max.	1	AWG 4	Copper
Single-core or stranded wire	Min.	1	AWG 14	Copper
Single-core or stranded wire	Max.	1	25mm ²	Copper
flexible wire with sleeve	Min.	1	2.5mm ²	Copper
flexible wire with sleeve	Max.	1	16mm ²	Copper

Stripping length

Length (mm) --

15



Recommended screw driver

Type of screw driver	Value
Slot screwdriver according to DIN 5264	1,2x6,5
Torx - Screwdriver	T20

Tightening torque of screws

tightening torque (Nm)	tightening torque (lb-in)
2	18

Approbations

Specification	Marking
CE marking	
EAC	
UK Directives	

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.
- For devices with lockable handles: the position of the handle of these devices shall be marked to guide proper operation.
- The "ON" and "OFF" position may be marked using the symbols "I" and "O" according IEC60417, Symbols 5007 and 5008.

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

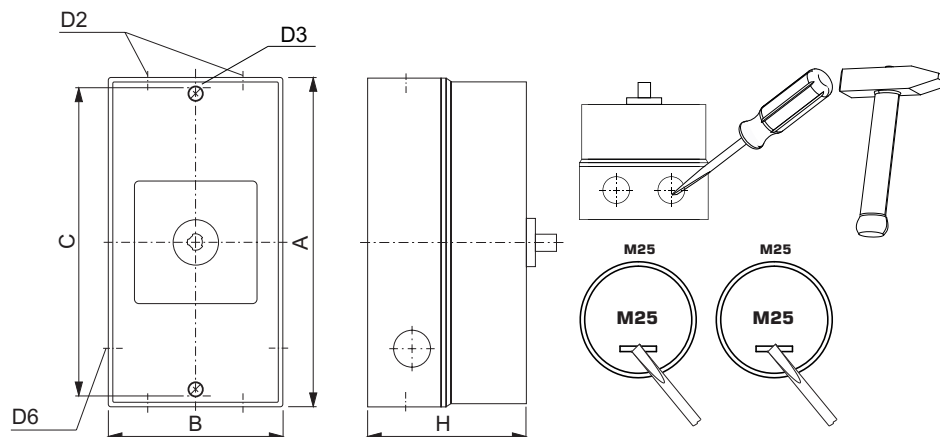
Picture name	Description
	WARNING: This product can expose you to chemicals including nickel and lead, which is known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov .

Classification Contact: Rigid contact bridge

Classification Contact Mat: Silver

Classification Terminal: Screw terminal

Mounting-KL11V

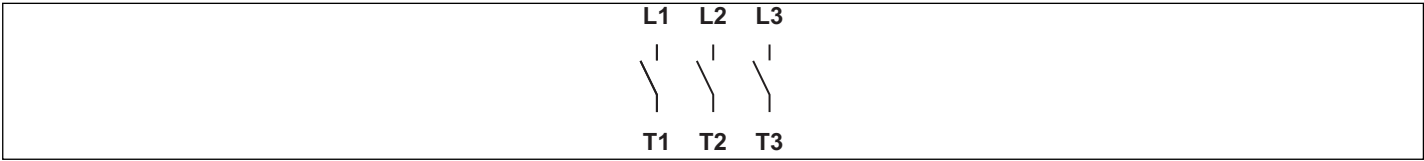


IP - Code front side		IP66, IP67, IP69k
Stages		1,00 - 5,00
A	H	190,00 mm
B	H	100,00 mm
C	H	178,00 mm
D2	Ø	4,00 x M25
D3	Ø	5,60 mm
D6	Ø	2,00 x M25
H	H	93,00 mm



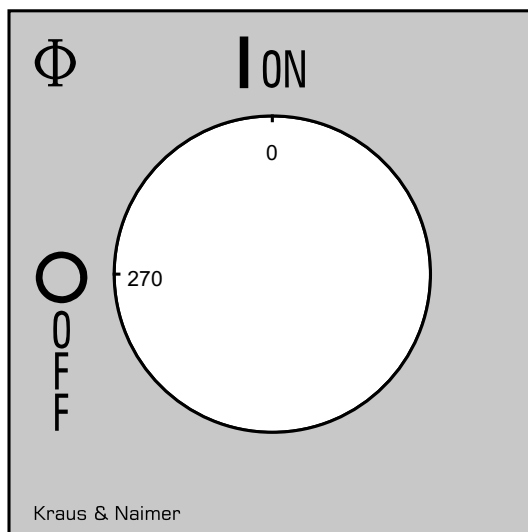
Wiring diagram

KA40T.T303.KL11V



Face plate

S1.F656/C10.V9



AUXILIARY CONTACTS

(cam operated) for switch type KA40-KA63BT

Designation: K1.M510C/2AC-B

Number: "2" auxiliary contact(s)

Version: "A" standard (silver)

Program: "C" aux. contact(s) closed in pos. 1 and aux. contact(s) closed in pos. 0 (NO/NC)

Type of mounting: "-B" for mounting VE and *KL (see table)

IEC 60947-3 EN 60947-3, VDE 0660 Teil 107					
Nominal Voltage					
			Voltage (V) AC / DC		
			690 AC		
Rated uninterrupted current I _u /I _{th}					
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 I _e					
Utilization category			Voltage (V)		Current (A)
AC-15			110 - 240		6
AC-15			380 - 440		3
AC-15			500		1,50
AC-21A			20 - 690		16
UL60947-4-1 , UL508					
Nominal Voltage					
			Voltage (V) AC / DC		
			600 AC		
Rated insulation voltage U _i					
			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					
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 (mm ²) or (AWG/kcmil)		Material of the wire
flexible wire	Max.	2	2.5mm ²		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	2.5mm ²		Copper
flexible wire with ferrule according to DIN 46228	Max.	2	2.5mm ²		Copper
Stripping length					
			Length (mm) –		
					
8					
Recommended screw driver					
Type of screw driver			Value		
Cross Screwdriver			PH1		
Slot screwdriver according to DIN 5264			0,8x4		
Tightening torque of screws					
			tightening torque (Nm)		tightening torque (lb-in)
			0,60		5
General Information					
Text					
- Use copper wire only. Do not coat the wire end with tin.					
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				

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14	22