



Sample image

Datasheet

Article number: 70010822

Designation: KG41.T103/D-A087.KL11V

Description: Switch

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 current Ie						
Utilization category			Voltage (V)		Current (A)	
AC-32A			20 - 400		40	
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	11		
AC-3	660 - 690	3	3	11		
AC-23A	220 - 240	3	3	7,50		
AC-23A	380 - 440	3	3	15		
AC-23A	660 - 690	3	3	15		
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)	Ambient temperature [°C]
DOL		110 - 120	1	2	2	40
DOL		220 - 240	1	2	5	40
DOL		277 - 277	1	2	7,50	40
DOL		415 - 415	1	2	7,50	40
DOL		440 - 480	1	2	10	40
DOL		550 - 600	1	2	10	40
DOL		110 - 120	3	3	5	40
DOL		220 - 240	3	3	15	40
DOL		415 - 415	3	3	15	40
DOL		440 - 480	3	3	25	40
DOL		550 - 600	3	3	30	40
Pilot duty rating code						
Duty Code						
A600						
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 600V max., when protected by 60A Class J fuses.						
Temp. rating of wire						
Temperature rating (°C)			Current (A) Text			
60 - 75			-- --			
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						
- 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.						

General Information						
Text						
- When intended for use as a motor disconnector the device shall be provided with a method of being locked in the OFF-position.						
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
			40	0 - 40		--
Horsepower rating						
Across-the-Line Motor Starting			Voltage (V)	No. of phases	No. of poles	Power (HP)
			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
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	40	1	1	1	
AC	600	40	1	2	1	
AC	600	40	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.	2		0.75mm²		Copper
solid wire	Min.	1		1.5mm²		Copper
flexible wire	Max.	1		AWG 6		Copper
flexible wire	Min.	1		2.5mm²		Copper
flexible wire	Max.	1		10mm²		Copper
flexible wire	Min.	2		1.5mm²		Copper
Single-core or stranded wire	Max.	1		AWG 6		Copper
Single-core or stranded wire	Max.	1		16mm²		Copper
flexible wire with sleeve	Max.	1		10mm²		Copper
flexible wire with ferrule according to DIN 46228	Min.	2		0.75mm²		Copper
flexible wire with ferrule according to DIN 46228	Min.	1		1.5mm²		Copper
Stripping length						
Length (mm) --						
						
Recommended screw driver						
Type of screw driver	Value					
Cross Screwdriver	PH2					
Slot screwdriver according to DIN 5264	1,2x6,5					
Tightening torque of screws						
			tightening torque (Nm)		tightening torque (lb-in)	
			1,80		16	
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

- 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

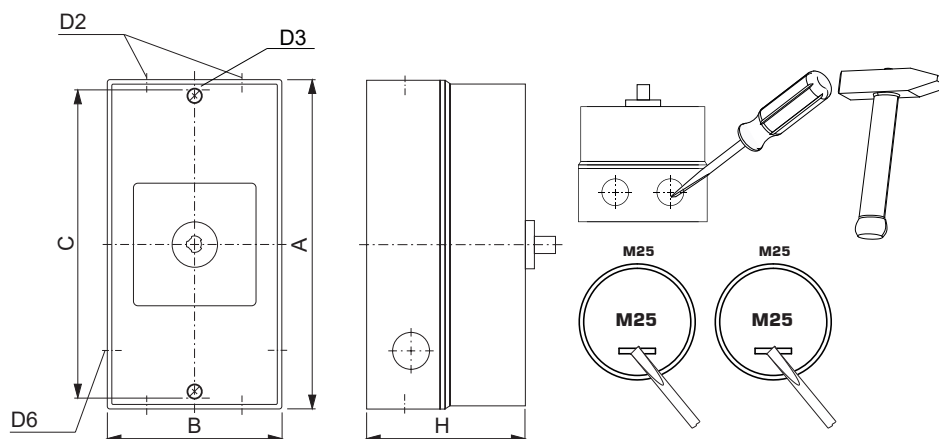
Picture name	Description
	WARNING: This product can expose you to chemicals including nickel and lead, which is known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov .

Classification Contact: Rigid contact bridge

Classification Contact Mat: Silver

Classification Terminal: Screw terminal

Mounting-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

KG41.T303.KL11V



Switch program

KG41.T303.KL11V



Kraus & Naimer

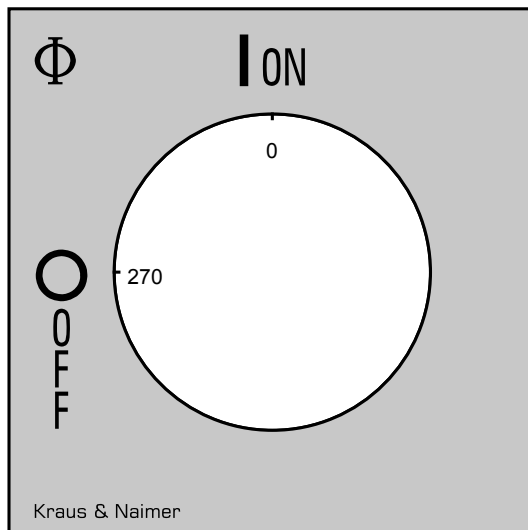
KG41
T303
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Face Plate									
		L1	L2	L3					
		1	3	5	7	9	11	13	15
  									
Switching Angle 90 Total switching Angle 90		2	4	6	8	10	12	14	16
		T1	T2	T3					
0	270								
1	0								
	90								
	180								

Version: 102

Face plate

S1.F656/C10.V9



AUXILIARY CONTACTS

(cam operated) for switch type KG20 - KG100C
and KH(R)16 - KH(R)25B

Designation: K1.M510A/2CA-B

Number of contacts: "2" 2 auxiliary contacts

Operation of contacts: "C" 1 auxiliary contact
closed in pos. 1 and 1 auxiliary contact closed in
pos. 0 (NO/NC)

Type of version: "A" 1. auxiliary contact module

Type of mounting: "-B" for type of mounting VE,
VE2, silver contacts

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
solid wire	Min.	1	0.5mm ²		Copper
solid wire	Min.	2	0.5mm ²		Copper
flexible wire	Min.	1	0.75mm ²		Copper
flexible wire	Min.	2	0.75mm ²		Copper
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
flexible wire with ferrule according to DIN 46228	Min.	1	0.5mm ²		Copper
flexible wire with ferrule according to DIN 46228	Min.	2	0.5mm ²		Copper
Stripping length					
			Length (mm) --		
					
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

- 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.

13	21
14	22