



Sample image

Datasheet

Article number: 70012802

Designation: KG20B.T106/40.KL11V

Description: Switch Global Disconnecter

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	
25	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		20
Rated operational power				
Utilization category	Voltage (V)	No. of phases	No. of poles	Power (kW)
AC-3	220 - 240	3	3	4
AC-3	380 - 440	3	3	5,50
AC-3	660 - 690	3	3	5,50
AC-23A	220 - 240	3	3	5,50
AC-23A	380 - 440	3	3	7,50
AC-23A	660 - 690	3	3	7,50
Max. Fuse rating IEC				
Fuse characteristic		No. of Fuses		Current (A)
gG		1		35

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		
25		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	1	40
DOL		220 - 240	1	2	3	40
DOL		277 - 277	1	2	3	40
DOL		415 - 415	1	2	5	40
DOL		440 - 480	1	2	5	40
DOL		550 - 600	1	2	5	40
DOL		110 - 120	3	3	2	40
DOL		200 - 240	3	3	7,50	40
DOL		415 - 415	3	3	10	40
DOL		440 - 480	3	3	15	40
DOL		550 - 600	3	3	20	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 at 600V max., when protected by 40A 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	25	1	1	1	

General Use					
AC / DC	Voltage (V)	Current (A)	No. of phases	No. of poles	No. of contacts in series
AC	600	25	1	2	1
AC	600	25	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.

- When intended for use as a motor disconnect 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
25 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	1	40
DOL	220 - 240	1	2	3	40
DOL	277 - 277	1	2	3	40
DOL	415 - 415	1	2	5	40
DOL	440 - 480	1	2	5	40
DOL	550 - 600	1	2	5	40
DOL	110 - 120	3	3	2	40
DOL	220 - 240	3	3	7,50	40
DOL	415 - 415	3	3	10	40
DOL	440 - 480	3	3	15	40
DOL	550 - 600	3	3	20	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	277	25	1	1	1
AC	600	25	1	2	1
AC	600	25	3	3	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.	1	AWG 10	Copper
flexible wire	Max.	1	4mm ²	Copper
Single-core or stranded wire	Max.	1	6mm ²	Copper
Single-core or stranded wire	Max.	1	AWG 10	Copper
flexible wire with sleeve	Max.	1	4mm ²	Copper

Stripping length

Length (mm) --



Recommended screw driver

Type of screw driver	Value
Cross Screwdriver	PH2
Slot screwdriver according to DIN 5264	0,8x4

Tightening torque of screws

tightening torque (Nm) tightening torque (lb-in)
1,25 11

Approbations

Specification

EAC

CE marking

UK Directives

CSA C.22.2 No.14

GB/T14048.3

Marking



General Information

Text

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



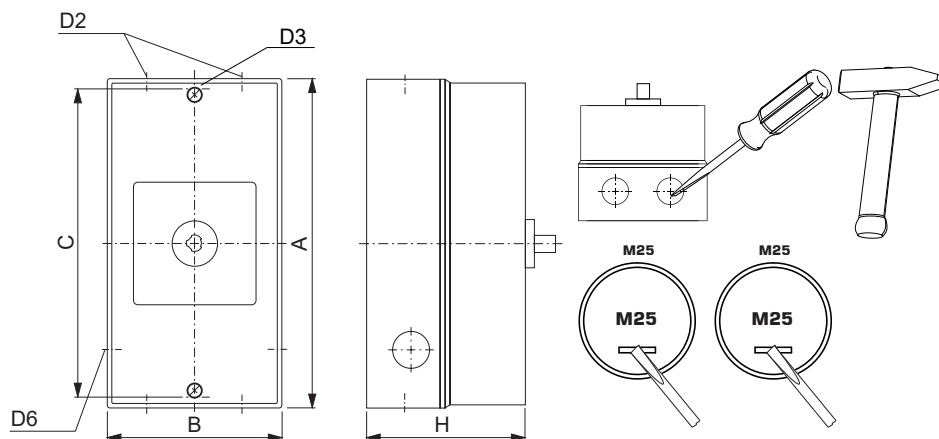
WARNING: This product can expose you to chemicals including nickel and lead, which is known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov.

Classification Contact: Rigid contact bridge

Classification Contact Mat: Silver

Classification Terminal: Screw terminal

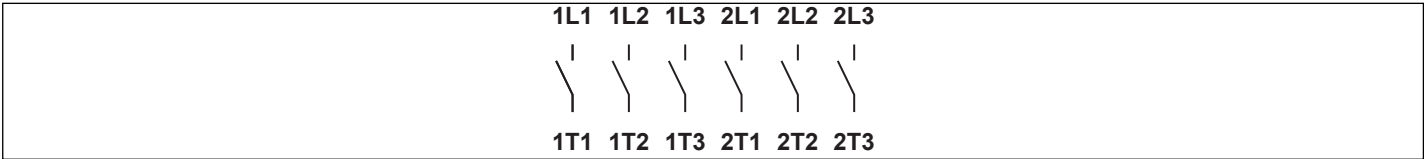
Mounting-KL11V



IP - Code front side		IP66, IP67, IP69k
Stages		6,00 - 6,00
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

KG20B.T306.KL11V



Switch program

KG20B.T306.KL11V



Kraus & Naimer

KG20B
T306
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Face Plate		1L1	1L2	1L3	2L1	2L2	2L3		
		1	3	5	7	9	11	13	15
									
Switching Angle 90 Total switching Angle 90		2	4	6	8	10	12	14	16
		1T1	1T2	1T3	2T1	2T2	2T3		
0	270								
1	0								
	90								
	180								

Version: 117

Face plate

S1.F656/C10.V9



AUXILIARY CONTACTS

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

Designation: K0.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

500 AC

690 AC

Rated uninterrupted current Iu/Ith

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

10 55 60 Ambient temperature +55°C during 24 hours with peaks up to +60°C

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 - 240 2,50

AC-15 380 - 440 1,50

AC-15 500 1

AC-21A 500 10

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

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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	AWG 16	Copper
flexible wire	Max.	2	1.5mm ²	Copper
Single-core or stranded wire	Max.	2	AWG 14	Copper
Single-core or stranded wire	Max.	2	1.5mm ²	Copper
flexible wire with ferrule according to DIN 46228	Max.	2	1mm 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

0,6x3,5

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