



Sample image

Datasheet

Article number: 70010211

Designation: KG100.T203/33.KL71V

Description: Switchgear

3D-File: https://pd.krausnaimer.com/data/3d-model/dynamic/3D_70010211_3851745867.zip

IEC 60947-3 EN 60947-3, VDE 0660 Teil 107				
Rated insulation voltage Ui				
Voltage (V) AC / DC				
690 50/60Hz				
Rated uninterrupted current Iu/Ith				
Current (A)	Ambient temperature (°C)	Peak temperature (°C)	additional requirements	
100	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			100
Rated operational power				
Utilization category	Voltage (V)	No. of phases	No. of poles	Power (kW)
AC-3	220 - 240	3	3	18,50
AC-3	380 - 440	3	3	30
AC-3	660 - 690	3	3	22
AC-23A	220 - 240	3	3	22
AC-23A	380 - 440	3	3	37
AC-23A	660 - 690	3	3	30
Max. Fuse rating IEC				
Fuse characteristic	No. of Fuses			Current (A)
gG	1			100
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		
100		0 - 40 --		
Horsepower rating				
Across-the-Line Motor Starting	Voltage (V)	No. of phases	No. of poles	Power (HP)
DOL	110 - 120	1	2	5
DOL	220 - 240	1	2	15
DOL	277 - 277	1	2	15
DOL	415 - 415	1	2	25
DOL	440 - 480	1	2	30
DOL	550 - 600	1	2	30
DOL	110 - 120	3	3	10
DOL	220 - 240	3	3	25
DOL	415 - 415	3	3	40
DOL	440 - 480	3	3	50
DOL	550 - 600	3	3	50
SCCR / Max. fuse rating				
Conditions of acceptability				
These devices are suitable for use on circuits capable of delivering not more than 10kA rms symmetrical amperes, 600V ac max. when protected by Type RK1 fuses or Circuit Breaker Type SFHA36AT0250, manufactured by General Electric.				
Suitable for use on a circuit capable of delivering not more than 65000 rms symmetrical amperes 600V max., when protected by Class J fuses, 100A max.				
Temp. rating of wire				
Temperature rating (°C)		Current (A) Text		
75		-- --		
Connecting instructions				
Markings				
Break all lines.				
General Use				
AC / DC	Voltage (V)	Current (A)	No. of phases	No. of poles
AC	277	100	1	1
No. of contacts in series				

General Use								
AC / DC	Voltage (V)	Current (A)	No. of phases	No. of poles	No. of contacts in series			
AC	600	100	1	2	1			
AC	600	100	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 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			
		100	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	5	40
DOL				220 - 240	1	2	15	40
DOL				277 - 277	1	2	15	40
DOL				415 - 415	1	2	25	40
DOL				440 - 480	1	2	30	40
DOL				550 - 600	1	2	30	40
DOL				110 - 120	3	3	10	40
DOL				220 - 240	3	3	25	40
DOL				415 - 415	3	3	40	40
DOL				440 - 480	3	3	50	40
DOL				550 - 600	3	3	50	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	100	1	1	1			
AC	600	100	1	2	1			
AC	600	100	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	2.5mm²		Copper		
Flexible wire		Min.	1	4mm²		Copper		
Flexible wire		Max.	1	35mm²		Copper		
Flexible wire		Max.	1	AWG 2		Copper		
Single-core or stranded wire		Min.	1	AWG 10		Copper		
Single-core or stranded wire		Max.	1	AWG 1/0		Copper		
Single-core or stranded wire		Max.	1	50mm²		Copper		
Flexible wire with sleeve		Max.	1	35mm²		Copper		
Flexible wire with ferrule according to DIN 46228		Min.	1	2.5mm²		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)		
				3		27		
Approbations								
Specification						Marking		
EAC								
CE marking								
UK Directives								
UL 60947-4-1; CSA C22.2 No. 60947-4-1								
CSA C.22.2 No.14								

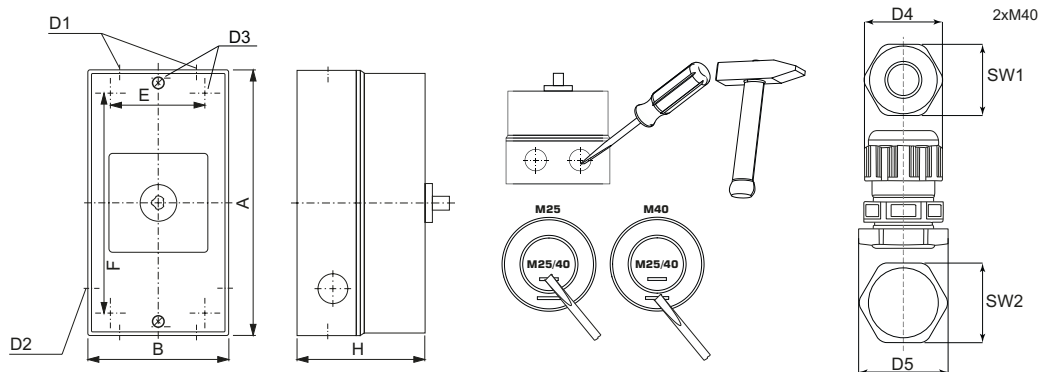
Approbations		Marking
Specification		 GB/T14048.3
GB/T14048.3		
General Information		
Text		
- Use only copper wires with or without tinned/silver-plated individual wires. Soldering the end of the wire before wiring is not allowed. - Terminals with factory fitted jumper links are tightened during production for loss prevention. When opening the terminal clamps, make sure that no factory fitted links get lost and that all wire connections are properly seated. - After wiring, ALL terminal screws must be tightened to the specified torque values. - The protection class of the selected mounting type may vary if optional extras are used. - 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.		
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

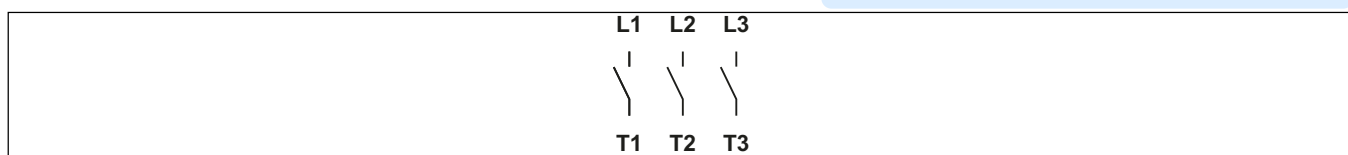
Mounting-KL71V



IP - Code front side	IP66, IP67, IP69k
Stages	2,00 - 5,00
A	H 250,00 mm
B	H 145,00 mm
D1	Ø 4,00 x M40/M25
D2	Ø 2,00 x M25
D3	Ø 6,50 mm
D4	H ≤ 50,50 mm
D5	H ≤ 56,00 mm
E	H 124,00 mm
F	H 229,00 mm
H	H 107,00 mm
SW1	Ø ≤ 46,00 mm
SW2	Ø ≤ 50,00 mm

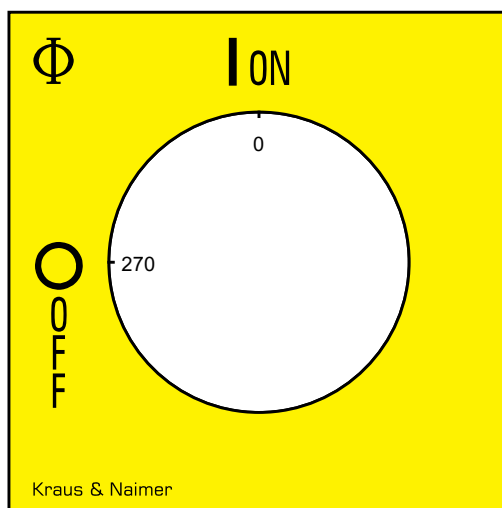
Wiring diagram

KG100.T303.KL71V



Face plate

S1.F656/E10.V9



HANDLES

Designation: S1B.G842

Handle colour: "2" red

GENERAL TECHNICAL INFORMATION

Recommended screw driver

Type of screw driver	Value
Cross Screwdriver	PH1
Slot screwdriver according to DIN 5264	0,8x5,5