



Sample image

Datasheet

Article number: 70014341

Designation: KG20.T103/33.KL11V **Description:** Switch Global Disconnector

			(V) AC/DC				
Datedinterminted economic	/lab		690 AC				
Rated uninterrupted current In Current (A)	Ambient temperature (°C)	Peak temperature (°C)	additional requirer	monte			
25	50				ırina 24 hours w	ith peaks up to +55°C	
Rated operational current le		33 7	Ambient temperat	uie 130 C ui	aning 24 nours w	itil peaks up to 155 o	
Utilization category				Volt	age (V)		Current (
AC-32A					0 - 400		
Rated operational power							
Utilization category		Voltage (V)	No. of p	hases		No. of poles	Power (k
AC-3		220 - 240		3		3	
AC-3		380 - 440		3		3	5,
AC-3		660 - 690		3		3	5,
AC-23A		220 - 240		3		3	5,
AC-23A		380 - 440		3		3	7,
AC-23A		660 - 690		3		3	7,
Max Fuse Rating IEC					No of Fre	200	0
Fuse characteristic gG					No. of Fus	ses 1	Current (
-						<u>'</u>	•
UL60947-4-1, UL508							
Nominal Voltage			* * * * * * * * * * * * * * * * * * * *				
			(V) AC/DC				
			600 AC				
Rated insulation voltage Ui		Voltage	(V) AC/DC				
			600 AC				
Rated thermal current		·	000 AC				
Rateu tilerillai current	Current	(<u>A</u>)	Δmhie	ent temnerati	ure (°C) Addition	nal Text	
	Garrent	25	7 II II II I	on temperati	0 - 40	TUT TOXE	
Horsepower rating							
Across-the-Line Motor Starting	3	Vo	oltage (V) No.	of phases	No. of poles	Power (HP)	Ambient temperature [
DOL			110 - 120	1	2	1	
DOL		2	220 - 240	1	2	3	
DOL			277 - 277	1	2	3	
		4	415 - 415	1	2	5	
DOL							
DOL			440 - 480	1	2	5	
DOL DOL		Į.	440 - 480 550 - 600	1	2	5	
DOL DOL DOL			440 - 480 550 - 600 110 - 120	1 3	2 3	5 2	
DOL DOL DOL DOL			440 - 480 550 - 600 110 - 120 200 - 240	1 3 3	2 3 3	5 2 7,50	
DOL DOL DOL DOL DOL			440 - 480 550 - 600 110 - 120 200 - 240 415 - 415	1 3 3 3	2 3 3 3	5 2 7,50 10	
DOL DOL DOL DOL DOL DOL DOL			440 - 480 550 - 600 110 - 120 200 - 240 415 - 415 440 - 480	1 3 3 3 3	2 3 3 3 3	5 2 7,50 10 15	
DOL DOL DOL DOL DOL DOL DOL DOL DOL			440 - 480 550 - 600 110 - 120 200 - 240 415 - 415	1 3 3 3	2 3 3 3	5 2 7,50 10	
DOL			440 - 480 550 - 600 110 - 120 200 - 240 415 - 415 440 - 480	1 3 3 3 3	2 3 3 3 3	5 2 7,50 10 15	
DOL			440 - 480 550 - 600 110 - 120 200 - 240 415 - 415 440 - 480	1 3 3 3 3	2 3 3 3 3	5 2 7,50 10 15	
DOL			440 - 480 550 - 600 110 - 120 200 - 240 415 - 415 440 - 480	1 3 3 3 3	2 3 3 3 3	5 2 7,50 10 15	
DOL			440 - 480 550 - 600 110 - 120 200 - 240 415 - 415 440 - 480	1 3 3 3 3	2 3 3 3 3	5 2 7,50 10 15	
DOL	e on circuits capable of delivering		440 - 480 550 - 600 110 - 120 200 - 240 415 - 415 440 - 480 550 - 600	1 3 3 3 3 3	2 3 3 3 3 3 3	5 2 7,50 10 15 20	
DOL	e on circuits capable of delivering apable of delivering not more than	not more than 10kA rms symmet	440 - 480 550 - 600 110 - 120 200 - 240 415 - 415 440 - 480 550 - 600	1 3 3 3 3 3 3	2 3 3 3 3 3 3	5 2 7,50 10 15 20	
DOL		not more than 10kA rms symmet	440 - 480 550 - 600 110 - 120 200 - 240 415 - 415 440 - 480 550 - 600	1 3 3 3 3 3 3	2 3 3 3 3 3 3	5 2 7,50 10 15 20	
DOL		not more than 10kA rms symmet 65000 rms symmetrical ampere	440 - 480 550 - 600 110 - 120 200 - 240 415 - 415 440 - 480 550 - 600	1 3 3 3 3 3 3 3	2 3 3 3 3 3 3	5 2 7,50 10 15 20	
DOL DOL DOL DOL DOL DOL DOL DOL Pilot duty rating code Duty Code A600 SCCR / Max. fuse rating Conditions of acceptability This device is suitable for use Suitable for use on a circuit of Temp. rating of wire	apable of delivering not more that	not more than 10kA rms symmet n 65000 rms symmetrical ampere	440 - 480 550 - 600 110 - 120 200 - 240 415 - 415 440 - 480 550 - 600	1 3 3 3 3 3 3 3	2 3 3 3 3 3 3	5 2 7,50 10 15 20	
DOL	apable of delivering not more than Temperature rating (60 -	not more than 10kA rms symmet 65000 rms symmetrical ampere CC) 75	440 - 480 550 - 600 110 - 120 200 - 240 415 - 415 440 - 480 550 - 600 trical amperes, 60 es at 600V max., w	1 3 3 3 3 3 3 3	2 3 3 3 3 3 3 3 vhen protected bed by 40A Class	5 2 7,50 10 15 20	
DOL DOL DOL DOL DOL DOL DOL DOL Pilot duty rating code Duty Code A600 SCCR / Max. fuse rating Conditions of acceptability This device is suitable for use Suitable for use on a circuit of Temp. rating of wire	apable of delivering not more than Temperature rating (60 -	not more than 10kA rms symmet 65000 rms symmetrical ampere CC) 75	440 - 480 550 - 600 110 - 120 200 - 240 415 - 415 440 - 480 550 - 600	1 3 3 3 3 3 3 3	2 3 3 3 3 3 3 3 vhen protected bed by 40A Class	5 2 7,50 10 15 20	



Accordant formation Comment (A) An of policies No. of poli	General Use							
Common Processing Process		Current (A)	No. of phase	s No. of pol	es			No. of contacts in series
General information The special proposes indicating means to be used with these manual notes controllers should be provided from the manufacturer, or the operating handle and position indicating received and should have been provided with an antimated of the GRE-position. See an active of most of the see an antimated and provided with an antimated of the GRE-position. CSA Normal Voltage Woltage (7), AC / DC Badd installation voltage II Carreer (A) Radd installation voltage II Carreer (A) Radd thermal current Carreer (A) Radd financial current Carre	3 ()		•	•				1
To the operating handle and position indicating mazines to be used with three manual motor controllers should be provided from the manufacturer, or the operating handle and position indicating me to the used should have been provided in controllers. **Controllers** **Controll				<u>-</u>				·
The operating hands and position indicating morans to be used with hister manual motor controllers. - When intended for use sea a motor disconnector the oelece shall be growled with a method of being ocked in the OFF position. - SCSA - Woman Voltage - Wolfage RT J. A.C. D.C GOB A.C. - Raded Installation voltage BT - Working RT J. A.C. D.C GOB A.C. - Raded Installation voltage BT - Current (A)								
to be used should have been periously evaluated in continuation with the manual motor controllers.			to be used with these week	ual mater controllers she	ulal ba muasidaal fuam		the energia	n bandla and nasition indication manne
The ministed for use as a motor discoursector the decice shall be provided with a method of baring located in the OFT-provides.					ula be provided from	i the manuracti	arer, or the operating	g nariole and position indicating means
National Voltage Voltage (F) AC / DC AC DC D								
Nominate Violage (N) A6 / DC Co. C	 When intended for use as a motor disco 	onnector the	device shall be provided wit	h a method of being lock	ed in the OFF-position	on.		
Nominate Violage (N) A6 / DC Co. C	CSA							
Voltage (r) A C / DC Co								
Read installation voltage U Voltage P(r) AC J DC	Tronmar voltage			Voltago (V) AC /	nc			
Raded Informal current					DO			
Voltage (P) AC JDC	Pated inculation voltage IIi							
Rated thermal current	Rateu ilisulation voltage of			Valtage (V) AC /	DO.			
Name Current (A) Ambient temperature (***) Adultional Text Co Co Adultional Text Co Co Adultional Text Co Co Co Co Co Co Co C					DC			
Current (A)	D-414h1							
Description	Rated thermal current		2 (4)			(00) 4 11:::	1.	
Marcase the Land Motor Starting Voltage (V) No. of phases No. of poles Power (HP) Ambient temperature					Ambient temperatu		nai Text	
Access tell-wide Motor Starting			25			0 - 40		
DOL							- 4:	
DOL					•			
DOL								40
DOL					•			40
DOL					•			40
DOL				415 - 415	1			40
DOL	DOL			440 - 480	1	2	5	40
DOL	DOL			550 - 600	1	2	5	40
DOL					3			40
DOL 440 - 480 3 3 10								40
DOL S50 - S00 S S S S0							•	40
Doll duty rating code								40
Pilot duty rating code								40
Duty Code According to Wire Temperature rating (*C) Temp. rating of wire Temperature rating (*C) Temp. rating (*C) T				220 - 000	3	3	20	40
Temp. rating of wire								
Temp. rating of wire								
Temperature rating (**C)								
Ceneral Use	Temp. rating of wire							
Ceneral Use		Temperatur			Curr	ent (A) Text		
AC DC Voltage (V) Current (A) No. of phases No. of poles			75					
AC 600 25 1 2 2 AC 600 25 1 2 2 AC 600 25 3 3 3 GENERAL TECHNICAL INFORMATION Size of conductor composition of conductor min. / Max. value Min. / Max. value No. of conductor per terminal (AWG/kcmil) Material of the wire solid wire Min. 1 0.75mm² Copper flexible wire Min. 2 0.5mm² Copper flexible wire Min. 2 0.75mm² Copper flexible wire Min. 1 1.5mm² Copper flexible wire Max. 1 4mm² Copper flexible wire Max. 1 4mm² Copper flexible wire Max. 1 6mm² Copper flexible wire with sleave Max. 1 6mm² Copper flexible wire with sleave Max. 1 6mm² Copper flexible wire with sleave Max. 1 1 4mm² Copper flexible wire with sleave Max. 1 5mm² Copper flexible wire with fernule according to DIN 46228 Min. 1 0.75mm² Copper flexible wire with fernule according to DIN 46228 Min. 1 0.75mm² Copper flexible wire with fernule according to DIN 46228 Min. 2 0.5mm² Copper flexible wire with fernule according to DIN 46228 Min. 2 0.5mm² Copper flexible wire with fernule according to DIN 46228 Min. 2 0.5mm² Copper flexible wire with fernule according to DIN 46228 Min. 2 0.5mm² Copper flexible wire with fernule according to DIN 46228 Min. 2 0.5mm² Copper flexible wire with fernule according to DIN 46228 Min. 3 0.75mm² Copper flexible wire with fernule according to DIN 46228 Min. 3 0.75mm² Copper flexible wire with fernule according to DIN 46228 Min. 3 0.75mm² Copper flexible wire with fernule according to DIN 46228 Min. 3 0.75mm² Copper flexible wire with fernule according to DIN 46228 Min. 3 0.75mm² Copper flexible wire with fernule according to DIN 46228 Min. 3 0.75mm² Copper flexible wire with fernule according to DIN 46228 Min. 3 0.75mm² Copper flexible wire with fernule according to DIN 46228 Min. 3 0.75mm² Copper flexible wire with fernule according to DIN 46228 Min. 3 0.75mm² Copper flexible wire with fernule according to DIN 46228 Min. 3 0.75mm² Copper flexible wire with fernule according to DIN 46228 Min. 3 0.75mm² Copper flexible wire with fernule according to DIN 46228 Min. 3 0.75mm² Cop								
C	AC / DC Voltage (V)	Current (A)	No. of phase	s No. of pol	es			No. of contacts in series
AC 600 25 3 3	AC 277	25		1	1			1
AC 600 25 3 3 3 GENERAL TECHNICAL INFORMATION Size of conductor composition of conductor Min. / Max. value Min. 10.75mm²	AC 600	25		1	2			1
Size of conductor Min.	AC 600	25		3	3			1
Size of conductor composition of conductor Min. / Max. value Min. 1 0.75mm² Copper Solid wire Min. 2 0.5mm² Copper flexible wire Min. 2 0.5mm² Copper flexible wire Min. 2 0.75mm² Copper flexible wire Min. 2 0.75mm² Copper flexible wire Min. 1 0.75mm² Copper flexible wire Max. 1 AWG 10 Copper flexible wire Max. 1 AWG 10 Copper flexible wire Max. 1 Amm² Copper flexible wire Max. 1 1.5mm² Copper flexible wire Max. 1 1.5mm² Copper Single-core or stranded wire Max. 1 1.5mm² Copper Flexible wire with sleeve Max. 1 1.5mm² Copper flexible wire with sleeve Max. 1 1.5mm² Copper flexible wire with ferrule according to DIN 46228 Min. 1 0.75mm² Copper flexible wire with ferrule according to DIN 46228 Min. 1 0.75mm² Copper Stripping length Length (mm) — Recommended screw driver Type of screw driver Type of screw driver Cross Screwdriver Cross Screwdriver Sitightening torque (Nm) tightening torque (Nm) Flexible mire with first according to DIN 5264 0,8x4 Tightening torque of screws Itightening torque (Nm) EAC CE marking	CENEDAL TECHNICAL INFOR	MATION						
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Solid wire	annesition of conductor		Min / May value	No of a		Cross section	n (mm²) or	Material of the wire
solid wire Min. 2 0.5mm² Copper flexible wire Min. 2 0.5mm² Copper flexible wire Min. 2 0.5mm² Copper flexible wire Max. 1 AWG 10 Copper flexible wire Max. 1 AWG 10 Copper flexible wire Min. 1 1.5mm² Copper flexible wire Min. 1 1.5mm² Copper Single-core or stranded wire Max. 1 6mm² Copper Single-core or stranded wire Max. 1 1 AWG 10 Copper flexible wire with sleeve Max. 1 AWG 10 Copper flexible wire with sleeve Max. 1 4mm² Copper flexible wire with sleeve Max. 1 4mm² Copper flexible wire with ferrule according to DIN 46228 Min. 1 0.75mm² Copper flexible wire with ferrule according to DIN 46228 Min. 2 0.5mm² Copper Stripping length				140. 07 66				
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Stripping length Length (mm) — 9 L Recommended screw driver Type of screw driver Cross Screwdriver Cross Screwdriver PH2 Slot screwdriver according to DIN 5264 Tightening torque of screws tightening torque (Nm) 1,25 Approbations Specification EAC CE marking					1	1 4mm²		
Stripping length Length (mm) — 9 L Recommended screw driver Type of screw driver Cross Screwdriver Cross Screwdriver PH2 Slot screwdriver according to DIN 5264 Tightening torque of screws tightening torque (Nm) 1,25 Approbations Specification EAC CE marking	flexible wire with ferrule according to DI				1	1 4mm²		
Recommended screw driver Type of screw driver Cross Screwdriver PH2 Slot screwdriver according to DIN 5264 Tightening torque of screws tightening torque (Nm) 1,25 Approbations Specification EAC CE marking	flexible wire with ferrule according to DI		Min.		1	1 4mm² 1 0.75mm²		Copper
Recommended screw driver Type of screw driver Cross Screwdriver Cross Screwdriver Slot screwdriver according to DIN 5264 Tightening torque of screws tightening torque (Nm) 1,25 Approbations Specification EAC CE marking	flexible wire with ferrule according to DII flexible wire with ferrule according to DII		Min.		1	1 4mm² 1 0.75mm²		Copper
Recommended screw driver Type of screw driver Cross Screwdriver Slot screwdriver according to DIN 5264 Tightening torque of screws tightening torque (Nm) 1,25 Approbations Specification EAC CE marking	flexible wire with ferrule according to DII flexible wire with ferrule according to DII		Min.	Length (mm)	1	1 4mm² 1 0.75mm²		Copper
Recommended screw driver Type of screw driver Cross Screwdriver Slot screwdriver according to DIN 5264 Tightening torque of screws tightening torque (Nm) 1,25 Approbations Specification EAC CE marking	flexible wire with ferrule according to DII flexible wire with ferrule according to DII		Min.	Length (mm) -	1	1 4mm² 1 0.75mm²		Copper
Type of screw driver Cross Screwdriver Cross Screwdriver according to DIN 5264 Slot screwdriver according to DIN 5264 Tightening torque of screws tightening torque (Nm) 1,25 Approbations Specification EAC CE marking	flexible wire with ferrule according to DII flexible wire with ferrule according to DII		Min.		1	1 4mm² 1 0.75mm²		Copper
Cross Screwdriver PH2 Slot screwdriver according to DIN 5264 0,8x4 Tightening torque of screws tightening torque (Nm) tightening torque (It 1,25) Approbations Specification EAC CE marking	flexible wire with ferrule according to DII flexible wire with ferrule according to DII Stripping length		Min.		1	1 4mm² 1 0.75mm²		Copper
Slot screwdriver according to DIN 5264 0,8x4 Tightening torque of screws tightening torque (Nm) tightening torque (lb 1,25 Approbations Specification EAC CE marking	flexible wire with ferrule according to DII flexible wire with ferrule according to DII Stripping length		Min.	9	1 1 2	1 4mm² 1 0.75mm²		Copper
Tightening torque of screws tightening torque (Nm) tightening torque (NE 1,25 Approbations Specification EAC CE marking	flexible wire with ferrule according to DII flexible wire with ferrule according to DII Stripping length Recommended screw driver Type of screw driver		Min.	9Value	1 1 2	1 4mm² 1 0.75mm²		Copper
tightening torque (Nm) 1,25 Approbations Specification EAC CE marking	flexible wire with ferrule according to DII flexible wire with ferrule according to DII Stripping length Recommended screw driver Type of screw driver Cross Screwdriver		Min.	9		1 4mm² 1 0.75mm²		Copper
Approbations Specification EAC CE marking	flexible wire with ferrule according to DII flexible wire with ferrule according to DII Stripping length Recommended screw driver Type of screw driver Cross Screwdriver Slot screwdriver according to DIN 5264		Min.	9		1 4mm² 1 0.75mm²		Copper
Approbations Specification EAC CE marking	flexible wire with ferrule according to DII flexible wire with ferrule according to DII Stripping length Recommended screw driver Type of screw driver Cross Screwdriver Slot screwdriver according to DIN 5264		Min.	9		1 4mm² 1 0.75mm²		Copper Copper
Approbations Specification EAC CE marking	flexible wire with ferrule according to DII flexible wire with ferrule according to DII Stripping length Recommended screw driver Type of screw driver Cross Screwdriver Slot screwdriver according to DIN 5264		Min.	Value PH2 0,8x4		1 4mm² 1 0.75mm²		Copper
Specification EAC CE marking	flexible wire with ferrule according to DII flexible wire with ferrule according to DII Stripping length Recommended screw driver Type of screw driver Cross Screwdriver Slot screwdriver according to DIN 5264		Min.	Value PH2 0,8x4		1 4mm² 1 0.75mm²		Copper Copper
EAC CE marking	flexible wire with ferrule according to DII flexible wire with ferrule according to DII Stripping length Recommended screw driver Type of screw driver Cross Screwdriver Slot screwdriver according to DIN 5264 Tightening torque of screws		Min.	Value PH2 0,8x4		1 4mm² 1 0.75mm²		Copper Copper tightening torque (lb-in)
CE marking C	flexible wire with ferrule according to DII flexible wire with ferrule according to DII Stripping length Recommended screw driver Type of screw driver Cross Screwdriver Slot screwdriver according to DIN 5264 Tightening torque of screws Approbations		Min.	Value PH2 0,8x4		1 4mm² 1 0.75mm²		Copper Copper tightening torque (lb-in)
CE marking C	flexible wire with ferrule according to DII flexible wire with ferrule according to DII Stripping length Recommended screw driver Type of screw driver Cross Screwdriver Slot screwdriver according to DIN 5264 Tightening torque of screws Approbations		Min.	Value PH2 0,8x4		1 4mm² 1 0.75mm²		Copper Copper tightening torque (lb-in) 11 Marking
CE marking C	flexible wire with ferrule according to DII flexible wire with ferrule according to DII Stripping length Recommended screw driver Type of screw driver Cross Screwdriver Slot screwdriver according to DIN 5264 Tightening torque of screws Approbations		Min.	Value PH2 0,8x4		1 4mm² 1 0.75mm²		Copper Copper tightening torque (lb-in) 11 Marking
	flexible wire with ferrule according to DII flexible wire with ferrule according to DII Stripping length Recommended screw driver Type of screw driver Cross Screwdriver Slot screwdriver according to DIN 5264 Tightening torque of screws Approbations Specification		Min.	Value PH2 0,8x4		1 4mm² 1 0.75mm²		Copper Copper tightening torque (lb-in) 11
	flexible wire with ferrule according to DII flexible wire with ferrule according to DII Stripping length Recommended screw driver Type of screw driver Cross Screwdriver Slot screwdriver according to DIN 5264 Tightening torque of screws Approbations Specification		Min.	Value PH2 0,8x4		1 4mm² 1 0.75mm²		Copper Copper tightening torque (lb-in) 11 Marking
	flexible wire with ferrule according to DII flexible wire with ferrule according to DII Stripping length Recommended screw driver Type of screw driver Cross Screwdriver Slot screwdriver according to DIN 5264 Tightening torque of screws Approbations Specification		Min.	Value PH2 0,8x4		1 4mm² 1 0.75mm²		Copper Copper tightening torque (lb-in) 11 Marking
UK Directives	flexible wire with ferrule according to DII flexible wire with ferrule according to DII Stripping length Recommended screw driver Type of screw driver Cross Screwdriver Slot screwdriver according to DIN 5264 Tightening torque of screws Approbations Specification EAC		Min.	Value PH2 0,8x4		1 4mm² 1 0.75mm²		Copper Copper tightening torque (lb-in) 11 Marking
UK Directives	flexible wire with ferrule according to DII flexible wire with ferrule according to DII Stripping length Recommended screw driver Type of screw driver Cross Screwdriver Slot screwdriver according to DIN 5264 Tightening torque of screws Approbations Specification EAC		Min.	Value PH2 0,8x4		1 4mm² 1 0.75mm²		Copper Copper tightening torque (lb-in) 11 Marking EH C E
	flexible wire with ferrule according to DII flexible wire with ferrule according to DII Stripping length Recommended screw driver Type of screw driver Cross Screwdriver Slot screwdriver according to DIN 5264 Tightening torque of screws Approbations Specification EAC CE marking		Min.	Value PH2 0,8x4		1 4mm² 1 0.75mm²		Copper Copper tightening torque (lb-in) 11 Marking EH C E
	flexible wire with ferrule according to DII flexible wire with ferrule according to DII Stripping length Recommended screw driver Type of screw driver Cross Screwdriver Slot screwdriver according to DIN 5264 Tightening torque of screws Approbations Specification EAC CE marking		Min.	Value PH2 0,8x4		1 4mm² 1 0.75mm²		Copper Copper tightening torque (lb-in) 11 Marking



Approbations

Specification

Marking

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CSA C.22.2 No.14

GB/T14048.3 **General Information**

- 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 Z

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

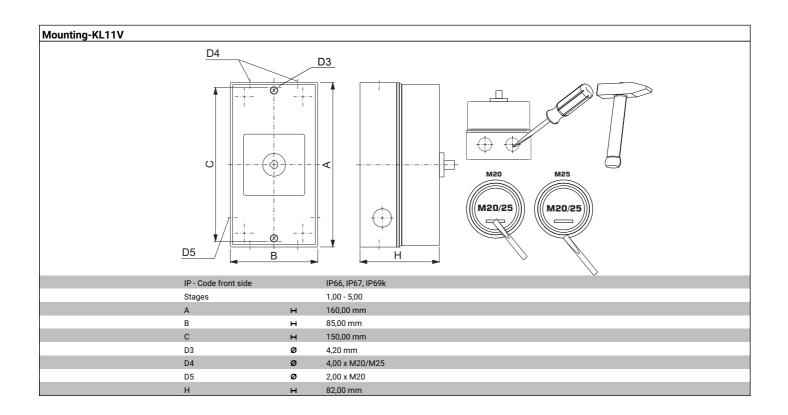
Picture name

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





Wiring diagram KG20.T303.KL11V

L	1 L2	L3
	\	
Т	1 T2	Т3



Face plate s1.F656/C10.V9

