



Sample image

KG105C

Type Size: S2

Classification Contact: Rigid contact bridge

ON-OFF switch (Valid when connected with wire rated for 75°C) Change over switch (Valid when connected with wire rated for 75°C) $_$

Classification Contact Mat: Silver

Classification Terminal: Screw terminal

IEC 6094	7-3 EN	l 60947-3, VD	E 0660 Teil 107					
Rated insula	ation volt	age Ui						
				Voltage	(V) AC/DC			
					690 AC			
		tand voltage Uimp						
Voltag	ge (kV)	Overvoltage categ	gory Pollution	degree Supply s	ystem			Function
	6	III	3	Valid for	lines with grounded comn	non neutral termination		Switch / Switch disconnector
		current lu/lth	4.5					
Current (,	Ambient	temperature (°C)	Peak temperature (°C)	additional requirements			
	25		50	55	Ambient temperature +5	0°C during 24 hours with peal	cs up to +55°C	
Current		ed thermal current ent temperature				No. of stages (from -		
(A)	AIIIDI	(°C)	Peak temperature (°C)	Additional requirements		to)	Mounting	Mounting size
125		35	40	Ambient temperature +35 peaks up to +40°C	°C during 24 hours with	-		-
Rated opera	ational cu	rrent le						
Utilization ca	ategory					Voltage (V)		Current (
AC-32A						20 - 400		1:
AC-20A						690		1:
AC-21A						20 - 690		1:
AC-22A					220 - 500 12			
AC-22A						660 - 690		
Rated opera		wer						
Utilization ca	ategory			Voltage (V)	No. of phases	No.	of poles	Power (k
AC-3				220 - 240	3		3	:
AC-3				380 - 440	3		3	
AC-3				500 - 500	3		3	
AC-3				660 - 690	3		3	
AC-23A				220 - 240	3		3	:
AC-23A				380 - 440	3		3	•
AC-23A				500 - 500	3		3	
AC-23A	IEO	_		660 - 690	3		3	:
Max. Fuse ra						No. of Fuses		Current (
	iteristic					No. or ruses		Carrent (
gG						<u>'</u>		1,
UL60947	′-4-1 , l	UL508						
Rated insula	ation volt	age Ui						
				Voltage	• •			
D . I.I.					600 AC			
Rated therm	nal curren	1t	2 (1)		A 11 11	(00)		
			Current (A)		Ambient tempe	erature (°C) Additional 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.

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GENERAL TECHNICAL INFORMATION

Tightening torque of screws	
tightening torque (Nm)	tightening torque (lb-in)
3	27



Size of conductor	Rated short-time withstand current lcw		Time (s)		Curre
composition of conductor Min. / Max. value No. of conductor per terminal (Cross section (num²) or (McKrcmii)) Material of the wire (McKrcmii) Material of the wire (McKrcmii) Material of the wire (McKrcmii) Max 1 35mm² Copper Single-core or stranded wire Min. 1 AWG 10 Copper Single-core or stranded wire Max. 1 35mm² Copper Flexible wire with sleeve Max. 1 35mm² Copper Approbations Specification Min.					
Resistance to vibration Max. 1 35mm² Copper	Size of conductor				
Flexible wire Max	composition of conductor	Min. / Max. value	No. of conductor per terminal	Cross section (mm²) or (AWG/kcmil)	Material of the wire
Single-core or stranded wire Min. 1 AWG 10 Copper Single-core or stranded wire Max 1 AWG 10 Copper Single-core or stranded wire Max 1 1 AWG 10 Copper Flexible wire with sleeve Max 1 1 50mm² Copper Flexible wire with sleeve Max 1 3 5mm² Copper Flexible wire with sleeve Max 1 3 5mm² Copper Flexible wire with sleeve Max 1 3 5mm² Copper Flexible wire with sleeve Max 1 3 5mm² Copper Flexible wire with sleeve Flexible with sleeve Flexible wire with sleeve Flexible wire with sleeve Flexible wire with sleeve Flexible	Flexible wire	Max.	1	, ,	Copper
Single-core or stranded wire Max. 1 AWG 1/0 Copper Single-core or stranded wire Max. 1 Somm² Copper Flexible wire with sleeve Flexible with sleeve Flexible wire with sleeve Flexible with sleeve Flexible wire with sleeve Flexible wire with sleeve Flexible wire with sleeve Flexible	Flexible wire	Max.	1	AWG 2	Copper
Single-core or stranded wire Max. 1 50mm² Copper	Single-core or stranded wire	Min.	1	AWG 10	Copper
Approbations Specification CE marking UK Directives LEC 60947-3; EN 60947-3; VDE 0660 Teil107 LEC 60947-6-1 LEC 60947-6-1	Single-core or stranded wire	Max.	1	AWG 1/0	Copper
Approbations Specification CE marking UK Directives IEC 60947-3; EN 60947-3; VDE 0660 Teil107 IEC 60947-6-1 IEC 60947-6-1	Single-core or stranded wire	Max.	1	50mm²	Copper
Specification CE marking UK Directives IEC 60947-3; EN 60947-3; VDE 0660 Teil107 IEC 60947-6-1 IEC 60947-6	Flexible wire with sleeve	Max.	1	35mm²	Copper
Specification CE marking UK Directives EC 60947-3; EN 60947-3; VDE 0660 Teil107 EC 60947-6-1 EC 60947-6-1 EC 60947-6-1 EL 60947-4-1; CSA C22.2 No. 60947-4-1 EL 60947-	Aunushadiana				
CE marking UK Directives JEC 60947-3; EN 60947-3; VDE 0660 Teil107 JEC 60947-6-1 JEC 60947-6		_	_		Markin
UK Directives IEC 60947-3; EN 60947-3; VDE 0660 Teil107 IEC 6 EN 6 IEC 60947-6-1 UL 60947-6-1 UL 60947-4-1; CSA C22.2 No. 60947-4-1 Russian Maritme Register of Shipping Power loss per pole Conditions during transport and storing Minimum temperature (*C) Maximum temperature (*C) Maximum temperature (*C) Maximum temperature (*C) Additional requirements In case of temperatures below -5°C no shock load per Shock / Vibration Type of oscillation Values Resistance to vibration Min. 4g, 2-100Hz, 1,6mm	specification				iviaikiii
UK Directives IEC 60947-3; EN 60947-3; VDE 0660 Teil107 IEC 6 EN 6 IEC 60947-6-1 UL 60947-6-1 UL 60947-4-1; CSA C22.2 No. 60947-4-1 Russian Maritme Register of Shipping Power loss per pole Conditions during transport and storing Minimum temperature (*C) Maximum temperature (*C) Maximum temperature (*C) Maximum temperature (*C) Additional requirements In case of temperatures below -5°C no shock load per Shock / Vibration Type of oscillation Values Resistance to vibration Min. 4g, 2-100Hz, 1,6mm	CE marking				C
IEC 60947-6-1 IEC 60947-6-1 UL 60947-4-1; CSA C22.2 No. 60947-4-1 Russian Maritme Register of Shipping Power loss per pole Conditions during transport and storing Minimum temperature (°C) Maximum temperature (°C) additional requirements 40 Shock / Vibration Type of oscillation Values Resistance to vibration Min. 4g, 2-100Hz, 1,6mm	UK Directives				•
IEC 60947-6-1 IEC 60947-6-1 UL 60947-4-1; CSA C22.2 No. 60947-4-1 Russian Maritme Register of Shipping Power loss per pole Conditions during transport and storing Minimum temperature (°C) Maximum temperature (°C) additional requirements 40 Shock / Vibration Type of oscillation Values Resistance to vibration Min. 4g, 2-100Hz, 1,6mm					I=0 000
IEC 60947-6-1 UL 60947-4-1; CSA C22.2 No. 60947-4-1 Russian Maritme Register of Shipping Power loss per pole Conditions during transport and storing Minimum temperature (*C) Maximum temperature (*C) Additional requirements In case of temperatures below -5°C no shock load per Shock / Vibration Type of oscillation Values Resistance to vibration Min. 4g, 2-100Hz, 1,6mm	EC 60947-3; EN 60947-3; VDE 0660 Teil107				EN 6094
EN 6 UL 60947-4-1; CSA C22.2 No. 60947-4-1 Russian Maritme Register of Shipping Power loss per pole Conditions during transport and storing Minimum temperature (*C) Maximum temperature (*C) Maximum temperature (*C) Additional requirements 1 In case of temperatures below -5°C no shock load per Shock / Vibration Type of oscillation Values Resistance to vibration Min. 4g, 2-100Hz, 1,6mm					E11 000
UL 60947-4-1; CSA C22.2 No. 60947-4-1 Russian Maritme Register of Shipping Power loss per pole Conditions during transport and storing Minimum temperature (*C) Maximum temperature (*C) Maximum temperature (*C) Additional requirements -40 Shock / Vibration Type of oscillation Values Resistance to vibration Min. 4g, 2-100Hz, 1,6mm	IEC 60047 6 1				IEC 6094
Russian Maritme Register of Shipping Power loss per pole Conditions during transport and storing Minimum temperature (*C) Maximum temperature (*C) Additional requirements -40 Shock / Vibration Type of oscillation Values Resistance to vibration Min. 4g, 2-100Hz, 1,6mm	IEC 00947-0-1				EN 6094
Russian Maritme Register of Shipping Power loss per pole Conditions during transport and storing Minimum temperature (*C) Auximum temperature (*C) Additional requirements -40 Shock / Vibration Type of oscillation Values Resistance to vibration Min. 4g, 2-100Hz, 1,6mm	III 60047-4-1: CSA C22 2 No. 60047-4-1				. ம .
Power loss per pole Conditions during transport and storing Minimum temperature (*C) -40 Shock / Vibration Type of oscillation Walues Resistance to vibration Min. 4g, 2-100Hz, 1,6mm	0E 00547 4 1, 03A 022.2 No. 00547 4 1				LISTED77E
Power loss per pole Conditions during transport and storing Minimum temperature (*C) -40 Shock / Vibration Type of oscillation Values Resistance to vibration Min. 4g, 2-100Hz, 1,6mm	Russian Maritme Register of Shinning				
Conditions during transport and storing Minimum temperature (°C) -40 Shock / Vibration Type of oscillation Values Resistance to vibration Min. 4g, 2-100Hz, 1,6mm					
Conditions during transport and storing Minimum temperature (°C) -40 Shock / Vibration Type of oscillation Walues Resistance to vibration Maximum temperature (°C) Additional requirements In case of temperatures below -5°C no shock load per Values Min. 4g, 2-100Hz, 1,6mm	Power loss per pole				Powe
Minimum temperature (°C) -40 -40 Shock / Vibration Type of oscillation Walues Resistance to vibration Min. 4g, 2-100Hz, 1,6mm					Fowe
-40 85 In case of temperatures below -5°C no shock load per Shock / Vibration Type of oscillation Values Resistance to vibration Min. 4g, 2-100Hz, 1,6mm	Conditions during transport and storing				
Shock / Vibration Type of oscillation Values Resistance to vibration Min. 4g, 2-100Hz, 1,6mm	Minimun	n temperature (°C)	Maximum temperature	(°C) additional requirem	nents
Type of oscillation Values Resistance to vibration Min. 4g, 2-100Hz, 1,6mm		-40		85 In case of tempera	atures below -5°C no shock load permiss
Resistance to vibration Min. 4g, 2-100Hz, 1,6mm					
3,,	•		Values		
Resistance to shock min. 6a. 6ms					
	Resistance to shock		min. 6g, 6ms		

- Text
- Use only copper wires with or without tinned/silver-plated individual wires. Soldering the end of the wire before wiring is not allowed.
- EMC Note: This device is suitable for use in environment ${\bf A}$ and ${\bf B}.$
- 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.

Operating temperature	
Min. Temperature [°C]	Max. Temperature [°C]
-5	55