0,70



KG20B

Type Size: S1

Classification Contact: Rigid contact bridge

Classification Contact Mat: Silver

Classification Terminal: Screw terminal

Voltage (V) AC AC AC AC AC AC AC A	B : 11 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1						
Table Impulse withstand voltage (RV)	Rated insulation voltage Ui		Voltage (V) AC / DC				
Material of the wire			- ',	acts/pole ii	n series		
8 III 3	Rated impulse withstand voltage Uimp						
Standard uninterrupted current lurith Cornent (A)	Voltage (kV) Overvoltage category	Pollution degree	Supply system				Function
Ambient temperature (**C) 25 So So So Ambient temperature +50**C during 24 hours with peaks up to +55**C ### Ambient temperature +50**C during 24 hours with peaks up to +55**C ### ### ### ### ### ### ### ### ### #	8 III	3					Switch disconne
25 \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	·						
Size of conductor Size of conductor Min. / Max. value Max. 1 AWG 10 Copper imple core of stranded wrie Min. 1 AWG 14 Copper imple core of stranded wrie When intended for use as switch in photovoltaic applications, the devices shall be provided with a method of being locked in the OFF-position. SENERAL TECHNICAL INFORMATION Tightening torque (Nm) Select of conductor Time (a) Time (a) Councillated short-time withstand current low Time (a) Time (a) Copper implementation for the wine of the	, ,						
Size of conductor Min. Max. 1	25	50	55 Ambient temperature +5	0°C during	24 hours with peaks up to	-55°C	
composition of conductor Min. / Max. value No. of conductor per terminal (Max. 1 AWG 10 Copper in the wire with standed wire Min. 1 AWG 11 Copper in the mine with standed wire Min. 1 AWG 11 Copper in the mine with standed wire Min. 1 AWG 14 Copper in the mine with standed wire Min. 1 AWG 14 Copper in the mine with standed wire mine with standed for use as switch in photovoltaic applications, the devices shall be provided with a method of being locked in the OFF-position. Comparison	JL60947-4-1 , UL508						
Internation of Conductor of Stranded wire Max. Max. 1 AWG 10 Copper integral for use as switch in photovoltaic applications, the devices shall be provided with a method of being locked in the OFF-position. SENERAL TECHNICAL INFORMATION	Size of conductor						
ingle-core or stranded wire Max. 1 AWG 10 Copper ingle-core or stranded wire Min. 1 AWG 10 Copper ingle-core or stranded wire Min. 1 AWG 11 Copper ingred information Exert When intended for use as switch in photovoltaic applications, the devices shall be provided with a method of being locked in the OFF-position. SENERAL TECHNICAL INFORMATION Tightening torque of screws Tightening torque (Nim) stated short-time withstand current lcw Time (s) Current (Nim / Max. value No. of conductor per terminal (AWG/Kernii) Material of the wire (Nim / Max. value Nim / Max. 1 AWG 10 Copper (Nim / Max. 1 AWG 10 Cop	composition of conductor	Min. / Max. value	No. of conductor per terr	ninal Cro	oss section (mm²) or	Material of ti	he wire
Single-core or stranded wire Min. 1 AWG 14 Copper Seneral Information Fer When intended for use as switch in photovoltaic applications, the devices shall be provided with a method of being locked in the OFF-position. Common	Single-core or stranded wire	May			,	Copper	
Series Information First When intended for use as switch in photovoltaic applications, the devices shall be provided with a method of being locked in the OFF-position. Comparison Com	•						
Fex When intended for use as switch in photovoltaic applications, the devices shall be provided with a method of being locked in the OFF-position. SENERAL TECHNICAL INFORMATION Tightening torque of screws 1,25 Lated short-time withstand current Icw Time (s) 100 Corporations Time (s) 100 Corporations Tomposition of conductor Min. / Max. value 100 Max. 100 Max. 100 Copper Single-core or stranded wire 100 Max. 100 Max. 100 Copper Single-core or stranded wire 100 Max. 100 Max. 100 Max. 100 Max. 100 Copper Single-core or stranded wire 100 Max. 100 M	•	IVIIII.		ı Av	10 17	Оорреі	
When intended for use as switch in photovoltaic applications, the devices shall be provided with a method of being locked in the OFF-position. Comparison of Secretary Comparison of Secretary Comparison of Conductor per terminal of Comparison of Size of Conductor Comparison of Conductor per terminal of Comparison of Comparison of Size of Standed wire Max.							
SENERAL TECHNICAL INFORMATION Tightening torque of screws tightening torque (Nm) 1,25 ated short-time withstand current lew Time (s) 1,25 Time (s) 1,27 Time (s) 1,	When intended for use as switch in photovoltai	c applications the devices shall be	provided with a method of being loc	kad in the C)FF-nocition		
1,25	ightening torque of screws						
Time (s) Curre		tightenin	g torque (Nm)			tig	htening torque (l
Time (s) Curre			1,25				
Size of conductor Composition of conductor Min. / Max. value Max. 1 AWG 10 Copper Copper	Rated short-time withstand current lcw						
Size of conductor Composition of conductor Min. / Max. value No. of conductor per terminal (AWG/kcmil) Max. 1 AWG 10 Copper Cop			Time (s)				Curren
Min. / Max. value No. of conductor per terminal (AWG/Romil) or (A			1				
AWG/kcmit) Max. 1 AWG 10 Copper Elexible wire Max. 1 4mm² Copper Elexible wire Max. 1 6mm² Copper Elexible wire Max. 1 6mm² Copper Elexible wire Max. 1 6mm² Copper Elexible wire with sleeve Max. 1 AWG 10 Copper Elexible wire with sleeve Max. 1 4mm² Copper Elexible wire with sleeve Max. 1 4	Size of conductor				·· (a)		
Sexible wire Max.	composition of conductor	Min. / Max. value	No. of conductor per terr	ninal (Al	wG/kcmil)	Material of ti	he wire
Single-core or stranded wire Max. 1 6mm² Copper Single-core or stranded wire Max. 1 AWG 10 Copper Single-core or stranded wire Max. 1 AWG 10 Copper Single-core or stranded wire with sleeve Max. 1 4mm² Copper Single-core or stranded wire with sleeve Max. 1 4mm² Copper Single-core or stranded wire with sleeve Max. 1 4mm² Copper Single-core or stranded wire with sleeve Max. 1 4mm² Copper Single-core or stranded wire with sleeve Max. 1 4mm² Copper Single-core or stranded wire with sleeve Max. 1 4mm² Copper Single-core or stranded wire with sleeve Max. 1 4mm² Copper Single-core or stranded wire with sleeve Max. 1 4mm² Copper Single-core or stranded wire with sleeve Max. 1 4mm² Copper Single-core or stranded wire with sleeve Max. 1 4mm² Copper Single-core or stranded wire with sleeve Max. 1 4mm² Copper Single-core or stranded wire with sleeve Max. 1 4mm² Copper Single-core or stranded wire with sleeve Max. 1 4mm² Copper Single-core or stranded wire with sleeve Max. 1 4mm² Copper Single-core or stranded wire with sleeve Max. 1 4mm² Copper Single-core or stranded wire with sleeve Max. 1 4mm² Copper Single-core or stranded wire with sleeve Max. 1 4mm² Copper Single-core or stranded wire with sleeve Max. 1 4mm² Copper Single-core or stranded wire with sleeve Max. 1 4m	Flexible wire	Max.		1 AV	VG 10	Copper	
Single-core or stranded wire Max.	Flexible wire	Max.		1 4m	nm²	Copper	
Plexible wire with sleeve	Single-core or stranded wire	Max.		1 6m	nm²	Copper	
Approbations Specification CE marking UK Directives EC 60947-3; EN 60947-3; VDE 0660 Teil107 IEC 609 UL 60947-4-1; CSA C22.2 No. 60947-4-1	Single-core or stranded wire	Max.		1 AV	VG 10	Copper	
### Appeint	lexible wire with sleeve	Max.		1 4m	nm²	Copper	
### Appeint	Annual estana						
JK Directives EC 60947-3; EN 60947-3; VDE 0660 Teil107 JL 60947-4-1; CSA C22.2 No. 60947-4-1	••						Marking
JK Directives EC 60947-3; EN 60947-3; VDE 0660 Teil107 JL 60947-4-1; CSA C22.2 No. 60947-4-1	CE marking						CE
IEC 60947-3; EN 60947-3; VDE 0660 Teil107 IEC 609 EN 609 IL 60947-4-1; CSA C22.2 No. 60947-4-1	JK Directives						
JL 60947-4-1; CSA C22.2 No. 60947-4-1							
<u> </u>	EC 60947-3; EN 60947-3; VDE 0660 Teil107						IEC 60947 EN 60947
·	JL 60947-4-1; CSA C22.2 No. 60947-4-1						. 71
POL	Power loss per pole						Powe





Conditions during transport and storing		
Minimum temperature (°C)	Maximum temperature (°C)	additional requirements
-40	85	In case of temperatures below -5°C no shock load permissible

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.
- After installation of the switches the spacings between the terminals must be sufficient to fulfill the requirement of the applicable standards.

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