



CA10

Type Size: S0

Classification Contact: Rigid contact bridge

Classification Contact Mat: Silver

Classification Terminal: Screw terminal

Sample image

IEC 60947-3 EN 60947-3, VDE 0660 Teil 107

Rated insulation voltage Ui						
Voltage (V)			AC / DC			
690			AC / DC			
Rated impulse withstand voltage Uimp						
Voltage (kV)		Overvoltage category	Pollution degree	Supply system		Function
6	III		3	Valid for lines with grounded common neutral termination		switch
4	III		3	Valid for lines with grounded common neutral termination		Switch disconnector
Rated uninterrupted current Iu/Ith						
Current (A)	Ambient temperature (°C)		Peak temperature (°C)	additional requirements		
20	55		60	Ambient temperature +55°C during 24 hours with peaks up to +60°C		
Conventional enclosed thermal current Ithe						
Current (A)	Ambient temperature (°C)	Peak temperature (°C)	Additional requirements	No. of stages (from - to)	Mounting	Mounting size
20	35	40	Ambient temperature +35°C during 24 hours with peaks up to +40°C	--	--	--
Rated operational current Ie						
Utilization category			Voltage (V)		Current (A)	
AC-15			220 - 240		6	
AC-15			380 - 440		4	
AC-20A			690		20	
AC-21A			20 - 690		20	
AC-22A			220 - 500		20	
AC-22A			660 - 690		20	
Rated operational power						
Utilization category		Voltage (V)	No. of phases	No. of poles	Power (kW)	
AC-6b		380 - 400	3	3	--	
AC-6b		220 - 230	1	2	--	
AC-2		220 - 240	3	3	4	
AC-2		380 - 440	3	3	7,50	
AC-2		500 - 500	3	3	10	
AC-2		660 - 690	3	3	10	
AC-3		220 - 240	3	3	3	
AC-3		380 - 440	3	3	5,50	
AC-3		500 - 500	3	3	5,50	
AC-3		660 - 690	3	3	5,50	
AC-3		110 - 120	1	2	0,60	
AC-3		220 - 240	1	2	2,20	
AC-3		380 - 440	1	2	3	
AC-4		220 - 240	3	3	0,55	
AC-4		380 - 440	3	3	1,50	
AC-4		500 - 500	3	3	1,50	
AC-4		660 - 690	3	3	1,50	
AC-4		110 - 120	1	2	0,30	
AC-4		220 - 240	1	2	0,75	
AC-4		380 - 440	1	2	1,50	

Rated operational power				
Utilization category	Voltage (V)	No. of phases	No. of poles	Power (kW)
AC-23A	220 - 240	3	3	3,70
AC-23A	380 - 440	3	3	7,50
AC-23A	500 - 500	3	3	7,50
AC-23A	660 - 690	3	3	7,50
AC-23A	110 - 120	1	2	0,75
AC-23A	220 - 240	1	2	2,50
AC-23A	380 - 440	1	2	3,70
Max Fuse Rating IEC				
Fuse characteristic	No. of Fuses			Current (A)
gG	1			25

UL60947-4-1, UL508

Rated insulation voltage Ui			
		Voltage (V)	AC / DC
		300	AC
Rated thermal current			
	Current (A)	Ambient temperature (°C)	Additional Text
	20	0 - 40	--

CSA

Rated insulation voltage Ui			
		Voltage (V)	AC / DC
		300	AC
Rated thermal current			
	Current (A)	Ambient temperature (°C)	Additional Text
	20	0 - 40	--

GENERAL TECHNICAL INFORMATION

Tightening torque of screws				
tightening torque (Nm)			tightening torque (lb-in)	
0,60			5	
Rated short-time withstand current Icw				
Time (s)			Current (A)	
1			140	
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	0.5mm²	Copper
solid wire	Min.	2	0.5mm²	Copper
flexible wire	Min.	1	0.75mm²	Copper
flexible wire	Min.	2	0.75mm²	Copper
flexible wire	Max.	2	2.5mm²	Copper
flexible wire	Max.	2	AWG 14	Copper
Single-core or stranded wire	Max.	2	AWG 12	Copper
Single-core or stranded wire	Max.	2	2.5mm²	Copper
flexible wire with ferrule according to DIN 46228	Min.	1	0.5mm²	Copper
flexible wire with ferrule according to DIN 46228	Max.	2	2.5mm²	Copper
flexible wire with ferrule according to DIN 46228	Min.	2	0.5mm²	Copper

Approbations	
Specification	Marking
EAC	
CE marking	
UK Directives	
Lloyd's Register EMEA	

IEC 60947-3; EN 60947-3; VDE 0660 Teil107

IEC 60947-3
EN 60947-3

UL 60947-4-1; CSA C22.2 No. 60947-4-1



Approbations		
Specification	Marking	
CSA C.22.2 No.14		
GB/T14048.3	 GB/T14048.3	
Russian Maritime Register of Shipping		
Power loss per pole		
	Power (W)	
	0,90	
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
Shock / Vibration		
Type of oscillation	Values	
Resistance to vibration	Min. 4g, 2-100Hz, 1,6mm	
Resistance to shock	Min. 5g, 6ms	
Resistance to vibration	IEC 61373 (1999) Category 1, Class B	
Resistance to shock	min. 5g, 30ms	
General Information		
Text		
- DC switching capacity applies to ON/OFF switches. - 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. - After installation of the switches the spacings between the terminals must be sufficient to fulfill the requirement of the applicable standards.		
Operating temperature		
	Min. Temperature [°C]	Max. Temperature [°C]
	-25	60