



Sample image

C42

Type Size: S1

Classification Contact: Rigid contact bridge

Classification Contact Mat: Silver

Classification Terminal: Screw terminal

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

Rated insulation voltage Ui						
			Voltage (V)	AC / DC		
			690	AC		
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 / Switch disconnecter
Rated uninterrupted current Iu/Ith						
Current (A)		Ambient temperature (°C)		Peak temperature (°C)	additional requirements	
63		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 size
63	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		16	
AC-15			380 - 440		7	
AC-20A			690		63	
AC-21A			20 - 690		63	
AC-22A			220 - 500		63	
AC-22A			660 - 690		63	
Rated operational power						
Utilization category		Voltage (V)	No. of phases	No. of poles		Power (kW)
AC-2		220 - 240	3	3		18,50
AC-2		380 - 440	3	3		30
AC-2		500 - 500	3	3		40
AC-2		660 - 690	3	3		37
AC-3		220 - 240	3	3		11
AC-3		380 - 440	3	3		18,50
AC-3		500 - 500	3	3		18,50
AC-3		660 - 690	3	3		18,50
AC-3		110 - 120	1	2		3
AC-3		220 - 240	1	2		6
AC-3		380 - 440	1	2		11
AC-4		220 - 240	3	3		5,50
AC-4		380 - 440	3	3		7,50
AC-4		500 - 500	3	3		7,50
AC-4		660 - 690	3	3		7,50
AC-4		110 - 120	1	2		1,20
AC-4		220 - 240	1	2		2,40
AC-4		380 - 440	1	2		4
AC-23A		220 - 240	3	3		15
AC-23A		380 - 440	3	3		30
AC-23A		500 - 500	3	3		45
AC-23A		660 - 690	3	3		40
AC-23A		110 - 120	1	2		4
AC-23A		220 - 240	1	2		10
AC-23A		380 - 440	1	2		18,50
Max. Fuse rating IEC						
Fuse characteristic			No. of Fuses		Current (A)	
gG			1		80	

UL60947-4-1, UL508

Rated insulation voltage Ui		
Voltage (V)	AC / DC	
600	AC	

Rated thermal current		
Current (A)	Ambient temperature (°C)	Additional Text
65	0 - 40	--

CSA

Rated insulation voltage Ui		
Voltage (V)	AC / DC	
600	AC	

Rated thermal current		
Current (A)	Ambient temperature (°C)	Additional Text
65	0 - 40	--

GENERAL TECHNICAL INFORMATION

Tightening torque of screws		
tightening torque (Nm)	tightening torque (lb-in)	
3	26,40	

Rated short-time withstand current Icw		
Time (s)	Current (A)	
1	1000	

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	1.5mm²	Copper
Solid wire	Min.	2	1.5mm²	Copper
Flexible wire	Min.	1	4mm²	Copper
Flexible wire	Max.	2	AWG 6	Copper
Flexible wire	Min.	2	4mm²	Copper
Flexible wire	Max.	2	10mm²	Copper
Single-core or stranded wire	Max.	2	AWG 6	Copper
Single-core or stranded wire	Max.	2	16mm²	Copper
Flexible wire with ferrule according to DIN 46228	Min.	1	2.5mm²	Copper
Flexible wire with ferrule according to DIN 46228	Min.	2	2.5mm²	Copper
Flexible wire with ferrule according to DIN 46228	Max.	2	10mm²	Copper

Approbations	
Specification	Marking

CE marking



UK Directives

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



CSA C.22.2 No.14



Power loss per pole	
Power (W)	
1,70	

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 shock	min. 5g, 30ms
Resistance to vibration	IEC 61373 (2010) Category 1, Class B

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.

General Information		
Text		
- 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. - Use only fully insulated cable lugs resp. FASTON receptacles. - 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