

C42S-6

Type Size: S1

Classification Contact: null

Classification Contact Mat: null

Classification Terminal: Ring type 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	
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	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	-

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 (mm ²) or (AWG/kcmil)	Material of the wire
Flexible wire	Max.	1	AWG 6	Copper
Flexible wire	Max.	1	10mm ²	Copper
Single-core or stranded wire	Max.	1	AWG 6	Copper
Single-core or stranded wire	Max.	1	16mm ²	Copper

Approbations

Specification	Marking
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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

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]
-5	60