

CH10B-4

Type Size: S1

Classification Contact: Rigid contact bridge

Classification Contact Mat: Silver

Classification Terminal: Quick connect

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			
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	110 - 110		6			
AC-15	220 - 240		6			
AC-15	380 - 440		4			
AC-20A	690		20			
AC-21A	20 - 690		20			
AC-22A	220 - 440		20			
AC-22A	500 - 500		20			
AC-22A	660 - 690		16			
Rated operational power						
Utilization category	Voltage (V)	No. of phases	No. of poles	Power (kW)		
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-3	500 - 500	1	2	3		
AC-3	660 - 690	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		
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		

Rated operational power				
Utilization category	Voltage (V)	No. of phases	No. of poles	Power (kW)
AC-23A	110 - 120	1	2	0,75
AC-23A	220 - 240	1	2	2,50
AC-23A	380 - 440	1	2	3,70
AC-23A	500 - 500	1	2	4
AC-23A	660 - 690	1	2	4

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	
600	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)
	1	9

Rated short-time withstand current Icw		
Time (s)	Current (A)	
1	200	

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



Power loss per pole	
	Power (W)
	1,40

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]
-25		60