



Sample image

C316

Type Size: S3

Classification Contact: Rigid contact bridge

Classification Contact Mat: Silver

Classification Terminal: Bolt terminal

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

Rated insulation voltage Ui						
		Voltage (V)	AC / DC			
		1000	AC / DC			
Rated impulse withstand voltage Uimp						
Voltage (kV)		Overvoltage category	Pollution degree	Supply system	Function	
8		III	3	Valid for lines with grounded common neutral termination		Switch / Switch disconnector
Rated uninterrupted current Iu/Ith						
Current (A)		Ambient temperature (°C)		Peak temperature (°C)	additional requirements	
315		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
315	35	40	Ambient temperature +35°C during 24 hours with peaks up to +40°C	2	--	--
275	35	40	Ambient temperature +35°C during 24 hours with peaks up to +40°C	3	--	--
Rated operational current Ie						
Utilization category			Voltage (V)	Current (A)		
AC-20A			1000	315		
AC-21A			20 - 690	315		
AC-22A			220 - 500	315		
AC-22A			660 - 690	125		
Rated operational power						
Utilization category		Voltage (V)	No. of phases	No. of poles	Power (kW)	
AC-2		220 - 240	3	3	55	
AC-2		380 - 440	3	3	90	
AC-2		500 - 500	3	3	110	
AC-2		660 - 690	3	3	55	
AC-3		220 - 240	3	3	37	
AC-3		380 - 440	3	3	55	
AC-3		500 - 500	3	3	55	
AC-3		660 - 690	3	3	37	
AC-3		110 - 120	1	2	11	
AC-3		220 - 240	1	2	22	
AC-3		380 - 440	1	2	30	
AC-4		220 - 240	3	3	15	
AC-4		380 - 440	3	3	25	
AC-4		500 - 500	3	3	25	
AC-4		660 - 690	3	3	22	
AC-4		110 - 120	1	2	4	
AC-4		220 - 240	1	2	7,50	
AC-4		380 - 440	1	2	11	
AC-23A		220 - 240	3	3	75	
AC-23A		500 - 500	3	3	132	
AC-23A		660 - 690	3	3	37	
AC-23A		380 - 440	3	3	132	
AC-23A		110 - 120	1	2	18,50	
AC-23A		220 - 240	1	2	37	
AC-23A		380 - 440	1	2	55	
Max Fuse Rating IEC						
Fuse characteristic			No. of Fuses	Current (A)		
gG			1	315		

UL60947-4-1, UL508

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

Rated thermal current			
Current (A)	Ambient temperature (°C)		Additional Text
240	0 - 40		--

CSA

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

Rated thermal current			
Current (A)	Ambient temperature (°C)		Additional Text
240	0 - 40		--

GENERAL TECHNICAL INFORMATION

Tightening torque of screws		
tightening torque (Nm)	tightening torque (lb-in)	
14	125	

Rated short-time withstand current Icw		
Time (s)	Current (A)	
1	4200	

Size of conductor					
composition of conductor	Min. / Max. value	No. of conductor per terminal	Cross section (mm²) or (AWG/kcmil)	Material of the wire	
flexible wire	Max.	1	MCM 300	Copper	
flexible wire	Max.	1	150mm²	Copper	
Single-core or stranded wire	Max.	1	185mm²	Copper	
Single-core or stranded wire	Max.	1	MCM 350	Copper	

Approbations	
Specification	Marking

EAC



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



GB/T14048.3



Power loss per pole	
Power (W)	
17	

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 (1999) Category 1, Class B

General Information	
Text	

- Cable lug must accept M12 screw.

- DC switching capacity applies to ON/OFF switches.

General Information

Text

- 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.
- 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]

-5

Max. Temperature [°C]

60

ring type terminal dimensions

A(mm)

28,20 mm