



C315

Type Size: S3

Classification Contact: Rigid contact bridge

Classification Contact Mat: Silver

Classification Terminal: Bolt terminal

Sample image

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

Rated insulation voltage U_i

Voltage (V)	AC / DC
690	AC / DC

Rated impulse withstand voltage U_{imp}

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 I_u/I_{th}

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 I_{the}

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	--	--	--

Rated operational current I_e

Utilization category	Voltage (V)	Current (A)
AC-20A	690	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

Rated operational power				
Utilization category	Voltage (V)	No. of phases	No. of poles	Power (kW)
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 (mm ²) or (AWG/kcmil)	Material of the wire
flexible wire	Max.	1	MCM 300	Copper
flexible wire	Max.	1	150mm ²	Copper
Single-core or stranded wire	Max.	1	185mm ²	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	
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CSA C.22.2 No.14	
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GB/T14048.3	 GB/T14048.3
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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

Shock / Vibration	
Type of oscillation	Values
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.
- 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]	Max. Temperature [°C]
	-5	60

ring type terminal dimensions

A(mm)	28,20 mm
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