



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  $U_i$** 

Voltage (V)	AC / DC
1000	AC / DC

**Rated impulse withstand voltage  $U_{imp}$** 

Voltage (kV)	Overvoltage category	Pollution degree	Supply system	Function
8	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	2	-	--
275	35	40	Ambient temperature +35°C during 24 hours with peaks up to +40°C	3	-	--

**Rated operational current  $I_e$** 

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 (mm <sup>2</sup> ) or (AWG/kcmil)	Material of the wire
Flexible wire	Max.	1	MCM 300	Copper
Flexible wire	Max.	1	150mm <sup>2</sup>	Copper
Single-core or stranded wire	Max.	1	185mm <sup>2</sup>	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*

- 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.
- 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

**Dimensions ring cable lug**

A(mm)

28,20 mm