



CA40

Type Size: S1

Classification Contact: Rigid contact bridge

Classification Contact Mat: Silver

Classification Terminal: Screw terminal

Sample image

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

Rated insulation voltage U_i	
Voltage (V)	AC / DC
690	AC

Rated impulse withstand voltage U_{imp}				
Voltage (kV)	Oversvoltage 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
40	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
40	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-15	220 - 240	14
AC-15	380 - 440	6
AC-20A	690	40
AC-21A	20 - 690	40
AC-22A	20 - 690	40

Rated operational power				
Utilization category	Voltage (V)	No. of phases	No. of poles	Power (kW)
AC-2	220 - 240	3	3	10
AC-2	380 - 440	3	3	18,50
AC-2	500 - 500	3	3	22
AC-2	660 - 690	3	3	22
AC-3	220 - 240	3	3	7,50
AC-3	380 - 440	3	3	15
AC-3	500 - 500	3	3	15
AC-3	660 - 690	3	3	15
AC-3	110 - 120	1	2	2,50
AC-3	220 - 240	1	2	5,50
AC-3	380 - 440	1	2	7,50
AC-3	500 - 500	1	2	8,50
AC-3	660 - 690	1	2	7,50
AC-4	220 - 240	3	3	3,70
AC-4	380 - 440	3	3	6
AC-4	500 - 500	3	3	6
AC-4	660 - 690	3	3	6
AC-4	110 - 120	1	2	1,10
AC-4	220 - 240	1	2	2,20
AC-4	380 - 440	1	2	3,70
AC-23A	220 - 240	3	3	7,50

Rated operational power				
Utilization category	Voltage (V)	No. of phases	No. of poles	Power (kW)
AC-23A	380 - 440	3	3	18,50
AC-23A	500 - 500	3	3	18,50
AC-23A	660 - 690	3	3	18,50
AC-23A	110 - 120	1	2	2,20
AC-23A	220 - 240	1	2	4
AC-23A	380 - 440	1	2	7,50
AC-23A	500 - 500	1	2	11
AC-23A	660 - 690	1	2	7,50

Max Fuse Rating IEC		
Fuse characteristic	No. of Fuses	Current (A)
gG	1	50

UL60947-4-1 , UL508

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

Rated thermal current			
	Current (A)	Ambient temperature (°C)	Additional Text
	45	0 - 40	-

GENERAL TECHNICAL INFORMATION

Tightening torque of screws		
	tightening torque (Nm)	tightening torque (lb-in)
	1,80	16

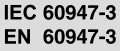
Rated short-time withstand current Icw		
	Time (s)	Current (A)
	1	950

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
solid wire	Min.	2	0.75mm ²	Copper
solid wire	Min.	1	1.5mm ²	Copper
flexible wire	Max.	1	AWG 6	Copper
flexible wire	Min.	1	2.5mm ²	Copper
flexible wire	Max.	1	10mm ²	Copper
flexible wire	Min.	2	1.5mm ²	Copper
Single-core or stranded wire	Max.	1	AWG 6	Copper
Single-core or stranded wire	Max.	1	16mm ²	Copper
flexible wire with ferrule according to DIN 46228	Min.	2	0.75mm ²	Copper
flexible wire with ferrule according to DIN 46228	Max.	1	10mm ²	Copper
flexible wire with ferrule according to DIN 46228	Min.	1	1.5mm ²	Copper

Approbations	
Specification	Marking

EAC 

CE marking 

UK Directives
IEC 60947-3; EN 60947-3; VDE 0660 Teil107 

UL 60947-4-1; CSA C22.2 No. 60947-4-1 

Power loss per pole	
	Power (W)
	1

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**
- 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 copper wire only. Do not coat the wire end with tin.
 - 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]
	-25	60