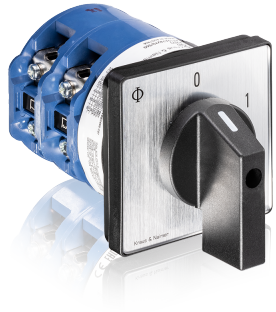
Kraus & Naimer

Datasheet



Sample image

C80

Type Size: S2

Classification Contact: Rigid contact bridge

Classification Contact Mat: Silver

Classification Terminal: Screw terminal

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

Rated insulation voltage Ui

Voltage (V)	AC / DC
690	AC / DC

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 / Switch disconnector

Rated uninterrupted current Iu/Ith

Current (A)	Ambient temperature (°C)	Peak temperature (°C)	additional requirements
115	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
115	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-20A	690	115
AC-21A	20 - 690	100
AC-22A	220 - 500	100
AC-22A	660 - 690	100

Rated operational power

Utilization category	Voltage (V)	No. of phases	No. of poles	Power (kW)
AC-2	220 - 240	3	3	30
AC-2	380 - 440	3	3	45
AC-2	500 - 500	3	3	55
AC-2	660 - 690	3	3	55
AC-3	220 - 240	3	3	15
AC-3	380 - 440	3	3	30
AC-3	500 - 500	3	3	30
AC-3	660 - 690	3	3	30
AC-3	110 - 120	1	2	3,70
AC-3	220 - 240	1	2	7,50
AC-3	380 - 440	1	2	13
AC-4	220 - 240	3	3	6
AC-4	380 - 440	3	3	11
AC-4	500 - 500	3	3	11
AC-4	660 - 690	3	3	11
AC-4	110 - 120	1	2	1,50
AC-4	220 - 240	1	2	3
AC-4	380 - 440	1	2	5,50
AC-23A	220 - 240	3	3	30
AC-23A	380 - 440	3	3	45
AC-23A	500 - 500	3	3	55
AC-23A	660 - 690	3	3	45
AC-23A	110 - 120	1	2	5,50
AC-23A	220 - 240	1	2	15
AC-23A	380 - 440	1	2	22

Max Fuse Rating IEC

Fuse characteristic	*No. of Fuses*	*Current (A)*
gG	1	125

UL60947-4-1 , UL508

Rated insulation voltage Ui

Voltage (V)	*AC / DC*
600	AC

Rated thermal current

Current (A)	*Ambient temperature (°C)*	*Additional Text*
100	0 - 40	--

General Information

Text

- Listed terminal lug´s type RE717 manufactured by Thomas & Betts have to be used for field wiring with single screw terminals, or equivalent.

CSA

Rated insulation voltage Ui

Voltage (V)	*AC / DC*
600	AC

Rated thermal current

Current (A)	*Ambient temperature (°C)*	*Additional Text*
100	0 - 40	--

GENERAL TECHNICAL INFORMATION

Tightening torque of screws

tightening torque (Nm)	*tightening torque (lb-in)*
4	35

Rated short-time withstand current Icw

Time (s)	*Current (A)*
1	1300

Size of conductor

composition of conductor	*Min. / Max. value*	*No. of conductor per terminal*	*Cross section (mm²) or (AWG/kcmil)*	*Material of the wire*
solid wire	Min.	1	2.5mm²	Copper
solid wire	Min.	2	2.5mm²	Copper
flexible wire	Min.	1	6mm²	Copper
flexible wire	Max.	1	AWG 3	Copper
flexible wire	Max.	1	25mm²	Copper
flexible wire	Min.	2	6mm²	Copper
Single-core or stranded wire	Max.	1	35mm²	Copper
Single-core or stranded wire	Max.	1	AWG 2	Copper
flexible wire with ferrule according to DIN 46228	Min.	1	4mm²	Copper
flexible wire with ferrule according to DIN 46228	Max.	1	25mm²	Copper
flexible wire with ferrule according to DIN 46228	Min.	2	4mm²	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)
5,80

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

- 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.
- 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.
- 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