Kraus & Naimer

Datasheet

CH16B-1

Type Size: S1

Classification Contact: Rigid contact bridge

Classification Contact Mat: Gold

Classification Terminal: Screw terminal

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

Rated insulation voltage Ui

Voltage (V)	*AC / DC*
690	AC

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

Rated uninterrupted current Iu/Ith

Current (A)	*Ambient temperature (°C)*	*Peak temperature (°C)*	*additional requirements*
20	55	60	Ambient temperature +55°C during 24 hours with peaks up to +60°C

Rated operational current Ie

Utilization category	*Voltage (V)*	*Current (A)*
AC-15	220 - 240	2,50
AC-15	380 - 440	1,50
AC-21A	12 - 690	20

Max. Fuse rating IEC

Fuse characteristic	*No. of Fuses*	*Current (A)*
gG	1	20

GENERAL TECHNICAL INFORMATION

Tightening torque of screws

tightening torque (Nm)	*tightening torque (lb-in)*
1	9

Rated short-time withstand current Icw

Time (s)	*Current (A)*
1	165

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.	2	AWG 12	Copper
Flexible wire	Max.	2	2.5mm²	Copper
Single-core or stranded wire	Max.	2	AWG 10	Copper
Single-core or stranded wire	Max.	2	4mm²	Copper
Flexible wire with ferrule according to DIN 46228	Max.	2	2.5mm²	Copper

Approbations

Specification	*Marking*
CE marking	CE
UK Directives	
IEC 60947-3; EN 60947-3; VDE 0660 Teil107	**IEC 60947-3 EN 60947-3**

Power loss per pole

Power (W)
1,80

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

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.

General Information

Text

- 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]*
-25	60