



Sample image

A25

Type Size: S1

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 U_i

Voltage (V) AC / DC

690 AC / DC

Rated impulse withstand voltage U_{imp}

Voltage (kV) Overvoltage category

6

III

Pollution degree

3

Supply system

Valid for lines with grounded common neutral termination

Function

Switch

Rated uninterrupted current I_u /Ith

Current (A)

25

Ambient temperature (°C)

55

Peak temperature (°C)

60

additional requirements

Ambient temperature +55°C during 24 hours with peaks up to +60°C

Conventional enclosed thermal current I_{the}

Current (A)

25

Ambient temperature (°C)

35

Peak temperature (°C)

40

Additional requirements

Ambient temperature +35°C during 24 hours with peaks up to +40°C

No. of stages (from - to)

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Mounting

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Mounting size

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Rated operational current I_e

Utilization category

Voltage (V)

Current (A)

AC-15	220 - 240	8
AC-15	380 - 440	5
AC-20A	690	25
AC-21A	24 - 48	25
AC-21A	110 - 220	25
AC-21A	380 - 440	25
AC-21A	500 - 600	25
AC-21A	660 - 690	25
AC-22A	220 - 500	25
AC-22A	660 - 690	25

Rated operational power

Utilization category

Voltage (V)

No. of phases

No. of poles

Power (kW)

AC-2	220 - 240	3	3	5,50
AC-2	380 - 440	3	3	11
AC-2	500	3	3	15
AC-2	660 - 690	3	3	13
AC-3	220 - 240	3	3	4
AC-3	380 - 440	3	3	7,50
AC-3	500	3	3	7,50
AC-3	660 - 690	3	3	7,50
AC-3	110	1	2	1,50
AC-3	220 - 240	1	2	3
AC-3	380 - 440	1	2	3,70
AC-4	220 - 240	3	3	1
AC-4	380 - 440	3	3	2,20
AC-4	500	3	3	2,50
AC-4	660 - 690	3	3	2,50
AC-4	110	1	2	0,20
AC-4	220 - 240	1	2	0,50
AC-4	380 - 440	1	2	0,80
AC-23A	220 - 240	3	3	5,50
AC-23A	380 - 440	3	3	11
AC-23A	500	3	3	11
AC-23A	660 - 690	3	3	11

Rated operational power				
Utilization category	Voltage (V)	No. of phases	No. of poles	Power (kW)
AC-23A	110	1	2	1,50
AC-23A	220 - 240	1	2	3
AC-23A	380 - 440	1	2	5,50

Max. Fuse rating IEC		
Fuse characteristic	No. of Fuses	Current (A)
gG	1	35

UL60947-4-1 , UL508

Rated thermal current		
Current (A)	Ambient temperature (°C)	Additional Text
25	0 - 40	–

GENERAL TECHNICAL INFORMATION

Tightening torque of screws	
tightening torque (Nm)	tightening torque (lb-in)
1	9

Rated short-time withstand current I _{cw}	
Time (s)	Current (A)
1	220

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



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



Power loss per pole	
	Power (W)
	0,70

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 vibration	IEC 61373 (2010) Category 1, Class B

General Information	
Text	

- Use only copper wires with or without tinned/silver-plated individual wires. Soldering the end of the wire before wiring is not allowed.
- DC switching capacity applies to ON/OFF switches.
- 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]
-25		60