



Sample image

KH25B

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 | | |
| | | 800 | | AC | | |
| Rated impulse withstand voltage U_{imp} | | | | | | |
| Voltage (kV) | Overtoltage 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 | | | |
| 25 | 50 | 55 | Ambient temperature +50°C during 24 hours with peaks up to +55°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 |
| 25 | 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-20A | | | | 800 | 25 | |
| AC-21A | | | | 20 - 690 | 25 | |
| AC-22A | | | | 20 - 690 | 25 | |
| Rated operational power | | | | | | |
| Utilization category | Voltage (V) | No. of phases | No. of poles | | Power (kW) | |
| AC-3 | 220 - 240 | 3 | 3 | | 4 | |
| AC-3 | 380 - 440 | 3 | 3 | | 7,50 | |
| AC-3 | 500 - 500 | 3 | 3 | | 7,50 | |
| AC-3 | 660 - 690 | 3 | 3 | | 7,50 | |
| AC-3 | 110 - 120 | 1 | 2 | | 1,10 | |
| AC-3 | 220 - 240 | 1 | 2 | | 2,50 | |
| AC-3 | 380 - 440 | 1 | 2 | | 5 | |
| AC-3 | 500 - 500 | 1 | 2 | | 6 | |
| AC-3 | 660 - 690 | 1 | 2 | | 7 | |
| AC-23A | 220 - 240 | 3 | 3 | | 7 | |
| AC-23A | 380 - 440 | 3 | 3 | | 12 | |
| AC-23A | 500 - 500 | 3 | 3 | | 15 | |
| AC-23A | 660 - 690 | 3 | 3 | | 17 | |
| AC-23A | 110 - 120 | 1 | 2 | | 1,50 | |
| AC-23A | 220 - 240 | 1 | 2 | | 3,30 | |
| AC-23A | 380 - 440 | 1 | 2 | | 5,50 | |
| AC-23A | 500 - 500 | 1 | 2 | | 7 | |
| AC-23A | 660 - 690 | 1 | 2 | | 7,50 | |
| Max. Fuse rating IEC | | | | | | |
| Fuse characteristic | | | | No. of Fuses | Current (A) | |
| gG | | | | 1 | 35 | |

UL60947-4-1, UL508

| Rated insulation voltage U_i | | | | |
|--------------------------------|--------------------------|-----------------|--|---------|
| | | Voltage (V) | | AC / DC |
| | | 600 | | AC |
| Rated thermal current | | | | |
| Current (A) | Ambient temperature (°C) | Additional Text | | |
| 25 | 0 - 40 | - | | |

General Information
Text

- The operating handle and position indicating means to be used with these manual motor controllers should be provided from the manufacturer, or the operating handle and position indicating means to be used should have been previously evaluated in combination with the manual motor controllers.

GENERAL TECHNICAL INFORMATION

| Tightening torque of screws | |
|-------------------------------|----------------------------------|
| <i>tightening torque (Nm)</i> | <i>tightening torque (lb-in)</i> |
| 1,20 | 10 |

| Rated short-time withstand current Icw | |
|--|--------------------|
| <i>Time (s)</i> | <i>Current (A)</i> |
| 1 | 500 |

| Size of conductor | | | | |
|---------------------------------|--------------------------|--------------------------------------|--|-----------------------------|
| <i>composition of conductor</i> | <i>Min. / Max. value</i> | <i>No. of conductor per terminal</i> | <i>Cross section (mm²) or (AWG/kcmil)</i> | <i>Material of the wire</i> |
| Flexible wire | Max. | 1 | AWG 12 | Copper |
| Flexible wire | Max. | 1 | 4mm ² | Copper |
| Single-core or stranded wire | Max. | 1 | 6mm ² | Copper |
| Single-core or stranded wire | Max. | 1 | AWG 10 | Copper |
| Flexible wire with sleeve | Max. | 1 | 4mm ² | 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 | |
|---------------------|--|
| <i>Power (W)</i> | |
| 0,30 | |

| Conditions during transport and storing | | |
|---|---------------------------------|--|
| <i>Minimum temperature (°C)</i> | <i>Maximum temperature (°C)</i> | <i>additional requirements</i> |
| -40 | 85 | In case of temperatures below -5°C no shock load permissible |

| Shock / Vibration | |
|----------------------------|--------------------------------------|
| <i>Type of oscillation</i> | <i>Values</i> |
| Resistance to vibration | IEC 61373 (1999) 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.
- 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.

| Operating temperature | |
|------------------------------|------------------------------|
| <i>Min. Temperature [°C]</i> | <i>Max. Temperature [°C]</i> |
| -5 | 55 |