



Sample image

KFD25B

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

1000 DC with 2 contacts/pole in series

Rated impulse withstand voltage U_{imp}

| Voltage (kV) | Overvoltage category | Pollution degree | Supply system | Function |
|--------------|----------------------|------------------|---------------|------------------------------|
| 8 | III | 3 | -- | Switch / Switch disconnecter |

Rated uninterrupted current I_u /Ith

| Current (A) | Ambient temperature (°C) | Peak temperature (°C) | additional requirements |
|-------------|--------------------------|-----------------------|--|
| 25 | 55 | 60 | Ambient temperature +55°C during 24 hours with peaks up to +60°C |

GENERAL TECHNICAL INFORMATION

Tightening torque of screws

| tightening torque (Nm) | tightening torque (lb-in) |
|------------------------|---------------------------|
| 1,25 | 11 |

Rated short-time withstand current I_{cw}

| Time (s) | Current (A) |
|----------|-------------|
| 1 | 350 |

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 |
|---|-------------------|-------------------------------|---|----------------------|
| Flexible wire | Max. | 1 | AWG 10 | Copper |
| Flexible wire | Max. | 1 | 4mm ² | Copper |
| Flexible wire | Min. | 1 | AWG 18 | Copper |
| Flexible wire | Min. | 1 | 0.5mm ² | Copper |
| Single-core or stranded wire | Max. | 1 | 6mm ² | Copper |
| Single-core or stranded wire | Max. | 1 | AWG 10 | Copper |
| Single-core or stranded wire | Min. | 1 | AWG 18 | Copper |
| Single-core or stranded wire | Min. | 1 | 0.5mm ² | Copper |
| Flexible wire with ferrule according to DIN 46228 | Max. | 1 | 4mm ² | Copper |
| Flexible wire with ferrule according to DIN 46228 | Min. | 1 | 0.5mm ² | Copper |

Approbations
Specification
Marking

EAC



CE marking



UK Directives

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

**IEC 60947-3
EN 60947-3**
Power loss per pole

Power (W)

0,50

| 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.
- 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 | | |
|-----------------------|--|-----------------------|
| Min. Temperature [°C] | | Max. Temperature [°C] |
| -5 | | 60 |