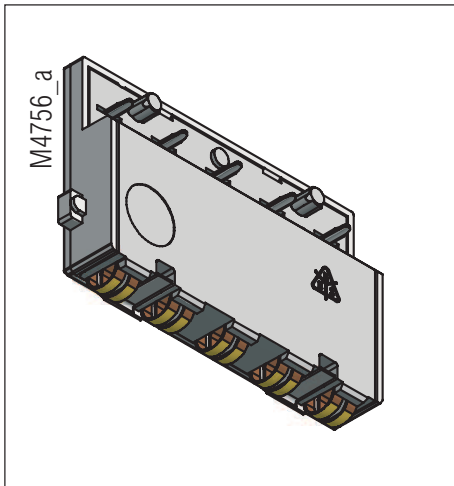


In-Rail-Bus

Spring contact block

KS 4460-12



Approvals and Markings



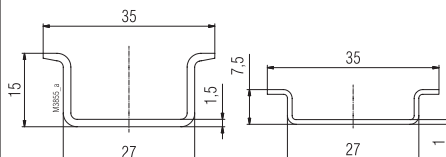
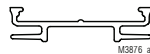
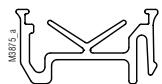
Your Advantages

- Applied from 6 mm width
- Reliable and consistent supply, connection and distribution of energy, signals and data

Features

- Universal use with various enclosure types
- High current (5 A per bus pcb-rail)
- Quick and easy mounting in the DIN-rail
- Contour and layout of the bus pcb can be according to customers' requirements e.g. defined by the customer
- Designed for standard DIN-rail dimensions
- Large stand-off to DIN-rail floor allows the mounting of SMD components on the bus pcb underside
- The carrier profile is securely fixed by safety caps (left and right) on the DIN-rail

Carrier profile 15 Carrier profile 7.5



- Pcb rail "breaks" are possible, e.g. for operation of bus signals inside instruments

Technical Data

| Type | Maß x | Maß Y | |
|--------------|-------|-------|--|
| KS 4460-12 | 0,3 | 1,8 | |
| KS 4460-12.1 | 1,05 | 3,2 | |
| KS 4460-12.2 | 0 | 3,2 | |

Enclosure material: Polyamid PA46

| Temperature stability | |
|-----------------------------------|--------|
| compl. with EN 75-1/2 (1.8 MPa): | 290 °C |
| compl. with EN 75-1/2 (0.45 MPa): | 290 °C |

Flame retardancy

complying with UL 94: V-0

Bus rails:

5

Contact material:

copper tinned, gold plated

Max. contact resistance

Spring contact block - bus element ≤ 20 mΩ

Max. current carrying capacity:

5 A (per bus element); 25 A (max. total current)

Contact spring on bus element:

100 cN (double contacts)

Spring contact block fixing:

Terminal block can be machine soldered;

use of heat-resistant plastic means no cover for the terminal block facing the soldering bath is required

Creepage current resistance:

CTI 325 ≅ insulating material III a IEC 60 664-1

Air gap:

≥ 0.8 mm IEC 60 664-1

Creepage distance:

≥ 2.0 mm IEC 60 664-1

Voltage U_{eff} :

63 V

Oversvoltage category:

II

Rated impuls voltage U_{Bem} :

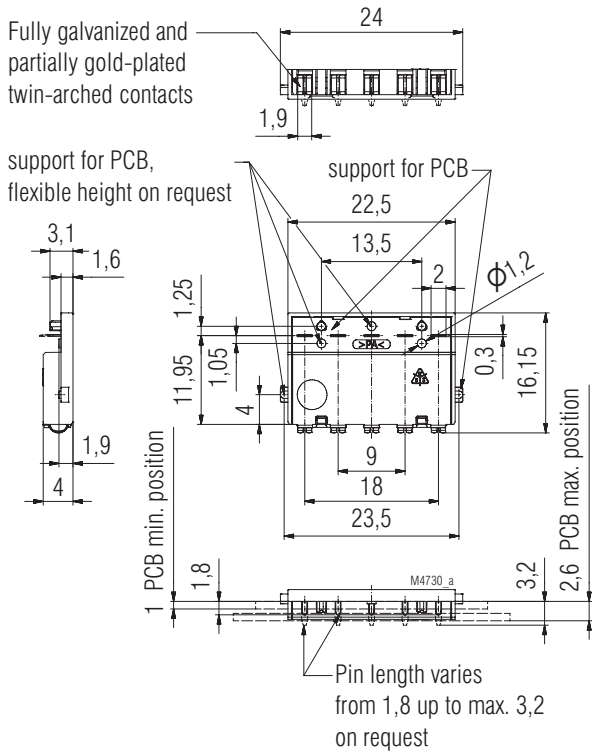
0.8 kV

Pollution degree:

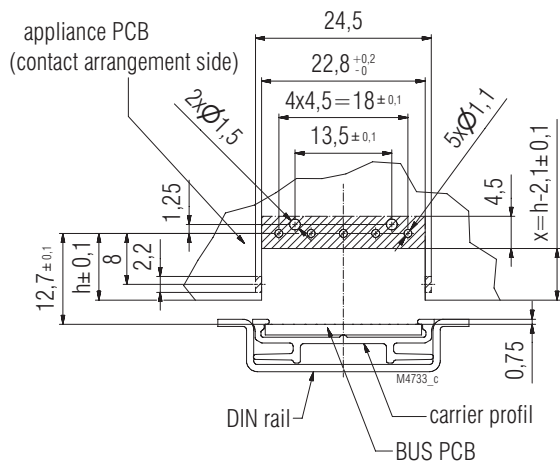
3

More informationen
see datasheet
In-Rail-Bus

Dimension



Drilling plan



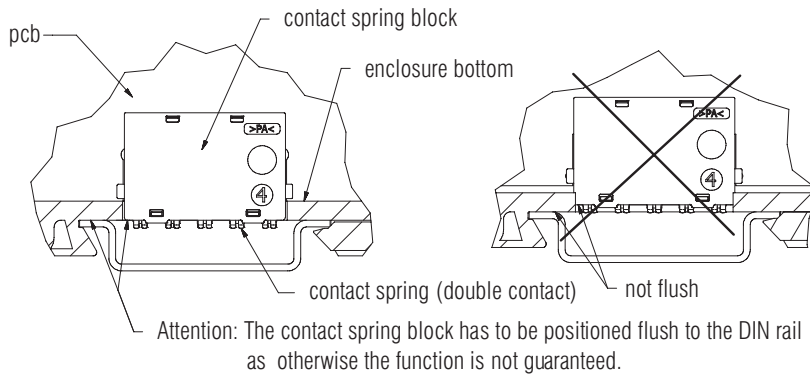
Land for soldering Ø 2

Blocked area

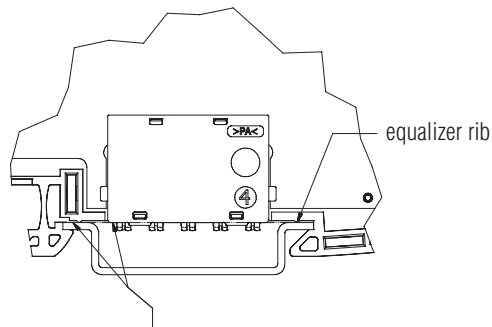
General tolerance: PERFAG 2 E

Configuration of the spring contact block

positioning of the contact spring block on the pcb, for enclosure series
KO4000; KO4030; KO4300; KU4000; KU4100 und KU4500



positioning of the contact spring block on the pcb; for enclosure series KS4400 and KS4460



M20084_a

