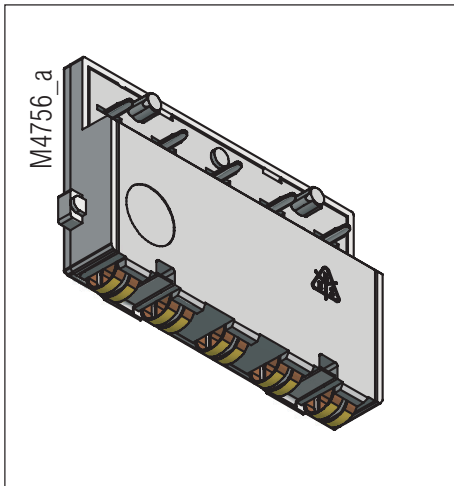


In-Rail-Bus

Spring contact block

KS 4460-12



Approvals and Markings



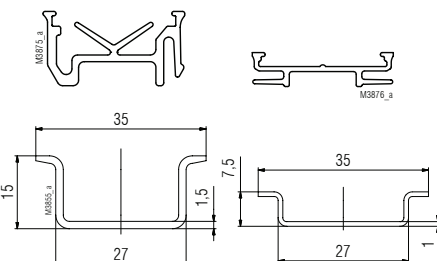
Your Advantages

- 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:

100cN (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

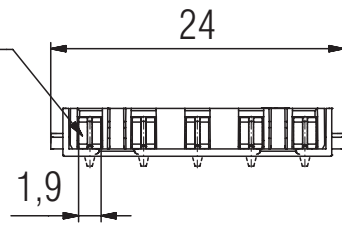
Pollution degree:

3

More informationen
see datasheet
In-Rail-Bus

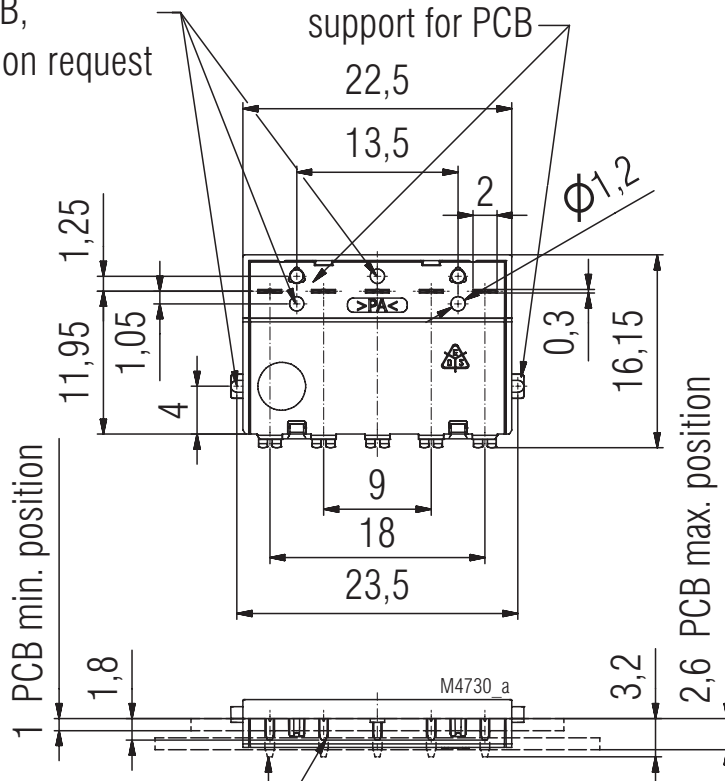
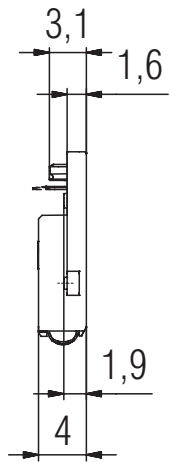
Dimension

Fully galvanized and partially gold-plated twin-arched contacts



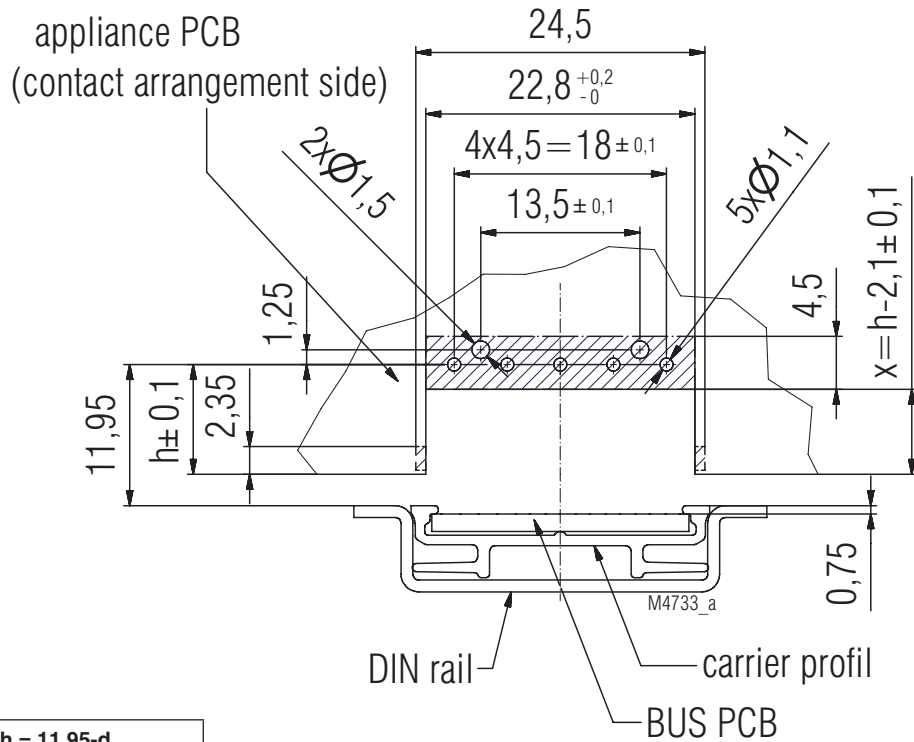
support for PCB, flexible height on request

support for PCB



Pin length varies from 1,8 up to max. 3,2 on request


Drilling plan



$$h = 11.95 - d$$

Enclosure Series	bottom thickness d
KO 4300	2.65
KO 4730 - KO 4737	2.5
KU 4000	12
KU 4100	2.15
KS 4400	2
Enclosure KS4460	1.2

Land for soldering $\varnothing 2$

 Blocked area

General tolerance: PERFAG 2 E

Configuration of the spring contact block

Configuration of the spring contact block in relation of lower edge

