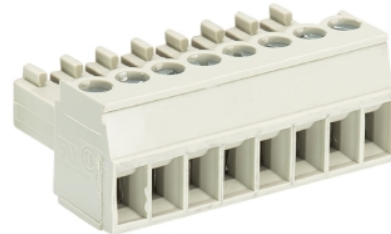


Data sheet

Commercial Art.No.: 25.640.0353.0

PCB connector 8513 B / 3

PCB female connector with screw connection with rising cage clamp system, 3 poles, printed version, max. cross section: 1.5 mm², pitch: 3.5 mm, type of packing: carton, color: grey



| | |
|--------------------|---------------|
| Commercial Art.No. | 25.640.0353.0 |
| EAN | 4015573561236 |
| Order Unit | 100 |

Certificates / Approvals



Technical data

General

| | |
|------------------------------------|------------------|
| Modular spacing | 3.5 mm |
| Connection type | screw connection |
| Soldering process | None |
| Packaging | Carton |
| Number of poles | 3 |
| Marking | yes |
| Fastening | None |
| Mating direction towards connector | 180° |

Technical data

| | |
|--------------------------|---------------------|
| Nominal cross section | 1.5 mm ² |
| Rated current | 8 A |
| Overvoltage Category I | 690 V |
| Overvoltage Category II | 250 V |
| Overvoltage Category III | 125 |
| Rated impulse voltage | 2.5 kV |
| Wire strip length | 6.5 mm |

Connection Data

| | |
|-------------------------------------|----------------------|
| Minimum cross section solid | 0.14 mm ² |
| Maximum cross section solid | 1.5 mm ² |
| Minimum cross section fine stranded | 0.14 mm ² |
| Maximum cross section fine stranded | 1.5 mm ² |
| Wire strip length | 6.5 mm |

Technical Data UL/CSA

| | |
|------------------|-----------|
| Cross section UL | 30-16 AWG |
|------------------|-----------|

| | |
|------------------------|-----------|
| Voltage UL | 300 V |
| Current field wiring | 8 A |
| Current factory wiring | 8 A |
| Cross section CSA | 22-14 AWG |
| Voltage CSA | 300 V |
| Current CSA | 5 A |

Other

| | |
|-----------------------------|---------------|
| Type of insulation material | Thermoplastic |
| Color | Grey |
| Height | 11.1 mm |
| Length | 10.5 mm |
| Depth | 15.5 mm |
| Material attachment screw | Steel |
| Material contact base | CuSn |
| Material contact surface | Sn |

Classification

| | |
|------------|----------|
| ECLASS 11 | |
| ECLASS 8.1 | 27440402 |
| ETIM 7.0 | EC002637 |
| ETIM 6.0 | EC002637 |
| ETIM 5.0 | EC002637 |
| ETIM 4.0 | EC002637 |

Product compliance

| | |
|------------------------------|--------------------|
| ROHS conformity status | Compliant/Exempted |
| ROHS exceptions | III-6(c) |
| REACH-SVHC conformity status | Duty-To-Declare |
| REACH-SVHC substances | Lead |
| REACH-SVHC CAS numbers | 7439-92-1 |

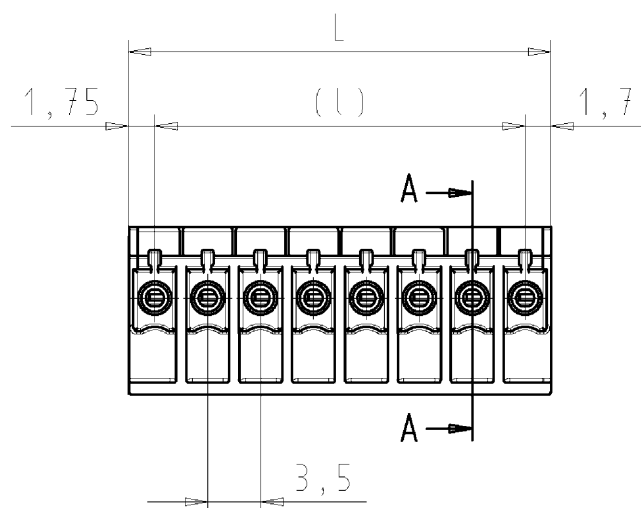
Fits with

| Commercial Art.No.: | Article-type description: | Description: |
|---------------------|------------------------------------|--|
| 25.646.0353.0 | PCB pin header 8513 S / 3 G OB | PCB pin header with pin header, connection method depends on used socket part , 3 poles, pitch: 3.5 mm, type of packing: carton, color: grey |
| 25.648.3353.0 | PCB pin header 8513 / 3 SU OB | PCB pin header with screw connection with rising cage clamp system, 3 poles, max. cross section: 1.5 mm ² , pitch: 3.5 mm, type of packing: carton, color: grey |
| 25.647.0353.0 | PCB pin header 8513 S / 3 W OB | PCB pin header with pin header, connection method depends on used socket part , 3 poles, pitch: 3.5 mm, type of packing: carton, color: grey |
| 25.647.0306.0 | PCB pin header 8513 S / 3 W OB THR | PCB pin header with pin header, connection method depends on used socket part , 3 poles, with solder pin (2.6mm, tin plated), pitch: 3.5 mm, type of packing: carton, color: black, This product can be soldered by reflow and wave soldering, |
| 25.646.0308.0 | PCB pin header 8513 S / 3 G OB THR | PCB pin header with pin header, connection method depends on used socket part , 3 poles, with solder pin (1.5mm, tin plated), pitch: 3.5 mm, type of packing: carton, color: black, This product can be soldered by reflow and wave soldering, |

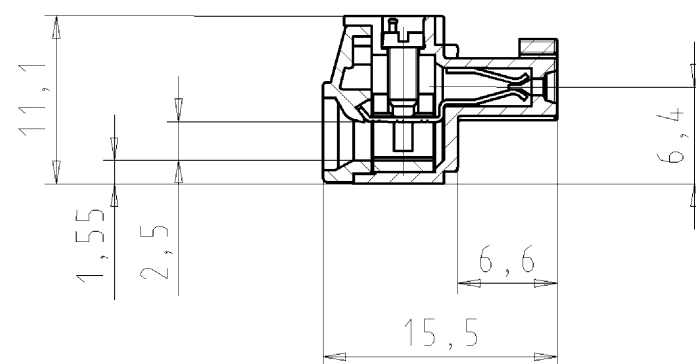


| | | |
|---------------|------------------------------------|--|
| 25.647.0308.0 | PCB pin header 8513 S / 3 W OB THR | PCB pin header with pin header, connection method depends on used socket part , 3 poles, with solder pin (1.5mm, tin plated), pitch: 3.5 mm, type of packing: carton, color: grey, This product can be soldered by reflow and wave soldering, |
| 25.646.0306.0 | PCB pin header 8513 S / 3 G OB THR | PCB pin header with pin header, connection method depends on used socket part , 3 poles, with solder pin (2.6mm, tin plated), pitch: 3.5 mm, type of packing: carton, color: black, This product can be soldered by reflow and wave soldering, |

Ab 7-polige Ausführung ohne Bremsfläche
 8-polige Ausführung gezeichnet
 no ribs drawn on the outer surface of the first and last pole form 7 pole version
 8pole version drawn

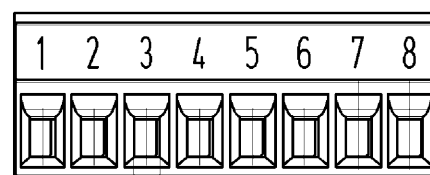
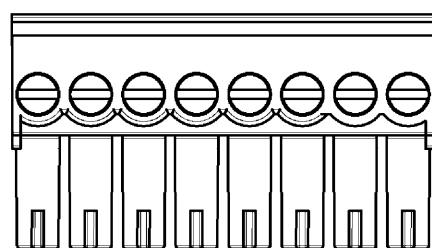


A-A



"X"

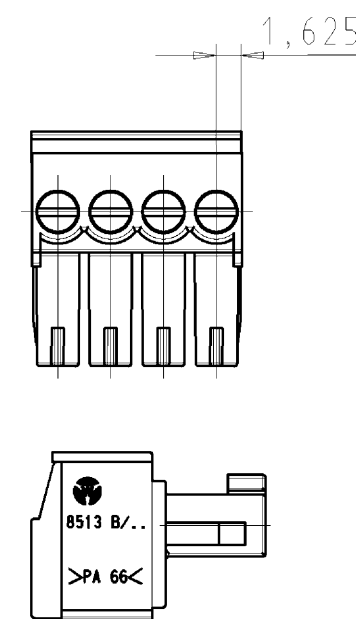
Ansicht "X"



| Artikel-Nr. part-no. | Pol- zahl pole | (L) | l | Typ type |
|-------------------------|----------------------|------|------|---------------|
| 25.640.0253.F | 2 | 7.0 | 3.5 | 8513 B/ 2 .. |
| 25.640.0353.F | 3 | 10.5 | 7.0 | 8513 B/ 3 .. |
| 25.640.0453.F | 4 | 14.0 | 10.5 | 8513 B/ 4 .. |
| 25.640.0553.F | 5 | 17.5 | 14.0 | 8513 B/ 5 .. |
| 25.640.0653.F | 6 | 21.0 | 17.5 | 8513 B/ 6 .. |
| 25.640.0753.F | 7 | 24.5 | 21.0 | 8513 B/ 7 .. |
| 25.640.0853.F | 8 | 28.0 | 24.5 | 8513 B/ 8 .. |
| 25.640.0953.F | 9 | 31.5 | 28.0 | 8513 B/ 9 .. |
| 25.640.1053.F | 10 | 35.0 | 31.5 | 8513 B/ 10 .. |
| 25.640.1153.F | 11 | 38.5 | 35.0 | 8513 B/ 11 .. |
| 25.640.1253.F | 12 | 42.0 | 38.5 | 8513 B/ 12 .. |
| 25.640.1353.F | 13 | 45.5 | 42.0 | 8513 B/ 13 .. |
| 25.640.1453.F | 14 | 49.0 | 45.5 | 8513 B/ 14 .. |
| 25.640.1553.F | 15 | 52.5 | 49.0 | 8513 B/ 15 .. |
| 25.640.1653.F | 16 | 56.0 | 52.5 | 8513 B/ 16 .. |
| 25.640.1753.F | 17 | 59.5 | 56.0 | 8513 B/ 17 .. |
| 25.640.1853.F | 18 | 63.0 | 59.5 | 8513 B/ 18 .. |
| 25.640.1953.F | 19 | 66.5 | 63.0 | 8513 B/ 19 .. |
| 25.640.2053.F | 20 | 70.0 | 66.5 | 8513 B/ 20 .. |

| | |
|----|-----------------|
| .F | Farbe colour |
| .0 | grau/grey |
| .1 | schwarz/black |
| .7 | grün/green |

4-polige Ausführung gezeichnet
 4 pole version drawn



Bei 2-6polige
 (25.640.0253.F, 25.640.0353.F,
 25.640.0453.F, 25.640.0553.F
 25.640.0653.F)
 mit Bremsflächen an den Außenflächen
 am ersten und letzten Pol

2-6pole
 (25.640.0253.F, 25.640.0353.F,
 25.640.0453.F, 25.640.0553.F
 25.640.0653.F)
 version with ribs on teh outer
 surface of the first and last pole

Weitere Daten siehe Katalog
 further data see catalog

| | | | |
|--|--|---|---------------------------------------|
| Tolerierung nach DIN 7167/Tolerance system acc. to DIN 7167. (This DIN-standard describes the envelope principle. According to the envelope principle the deviations of form and parallelism are limited by the size tolerances). | | ja/yes <input checked="" type="checkbox"/> Stoffverbots- und Deklarationsliste nach UU-TOM-05/03 ist einzuhalten. Conformity with Wieland document UU-TOM-05/03 (list of prohibited / declarable hazardous substances) to be declared! | |
| Freitoleranz nach General tolerance | | CAD - Zeichnung, keine manuellen Änderungen CAD - drawing, no manual modifications allowed | 1.Verwendung: First Use: |
| Blatt: 1 von 1 Sheet: of 1 | | Zeichnung Nr./Drawing No. | |
| / | | Werkstoff/Material | 2011 Tag/Date Name |
| / Maßstab/Scale | | 2:1 | gezeichnet drawn 10.11. Schmitt J. |
| / Vol. mm³ Ofl./Surf. mm² | | geprüft checked | |
| / | | Normgepr. Stand. check | |
| / | | Ersatz für/Replacement for: - | |
| / | | Type | |
| / | | Benennung/Tittle | |
| Index Datum / Blatt Date / Sheet | | Typ | |
| Änderung/Revision | | 8513 B/ 2-20 | |
| | | LP_STECKKLEMME | |
| | | mit Steck-u. Schraubanschluss, Rastermaß/pitch:3,5mm pluggable PCB terminal, rising cage clamp system | |

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256400253001K_2 CADW2035 Schmitt: 2011-11-10T10:51:57 1.000

These dimensions will be especially checked at delivery
 Only inspection dimensions
 With /E marked dimensions are only valid for internal use

Diese Maße werden bei Abnahme besonders geprüft
 Ausschließlich Prüfmaße
 Mit /E gekennzeichnete Maße sind nur für interne Zwecke gültig