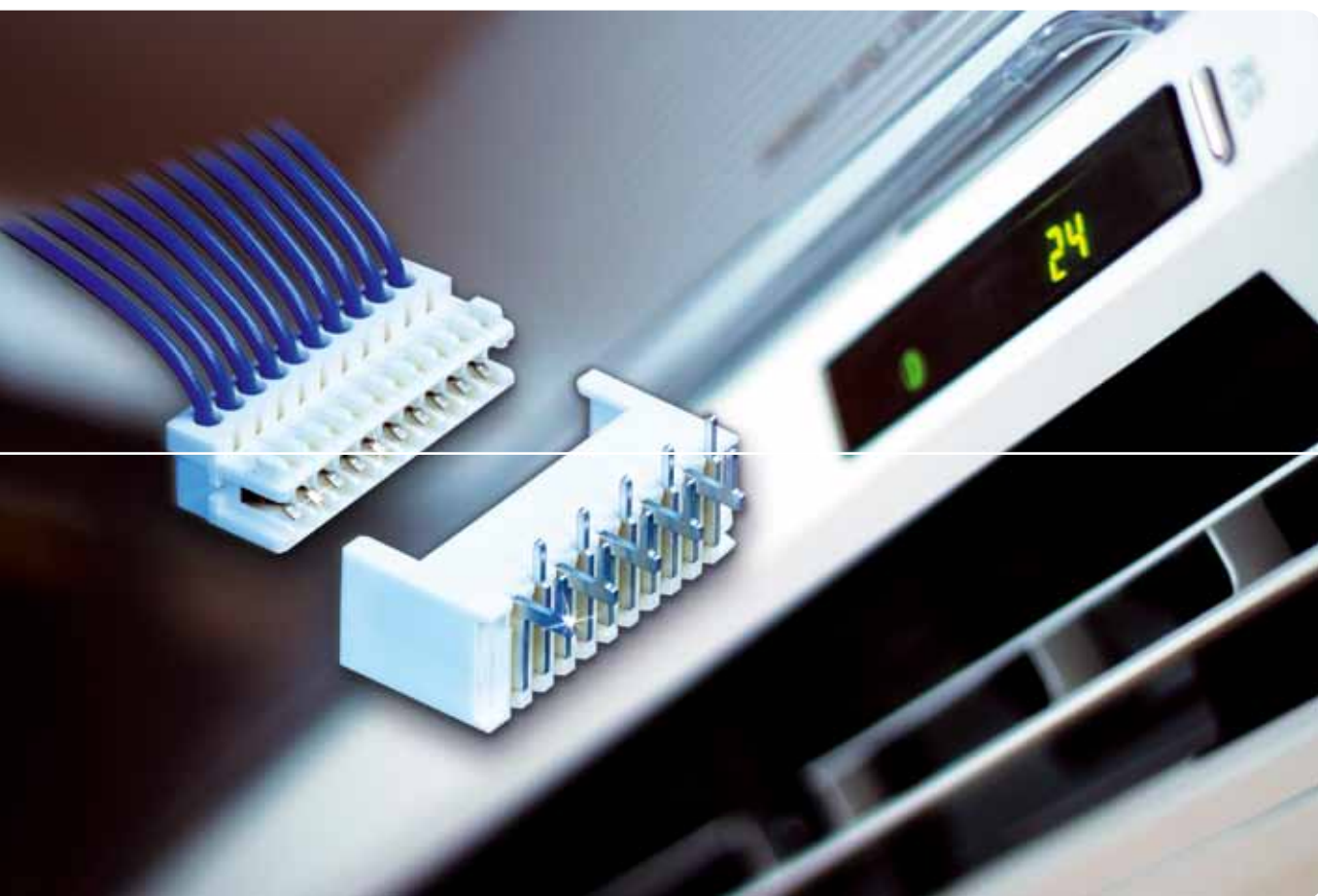


» Product Range«
for the HVAC Industry



Connector Systems
Crimp Contacts
Solderless Terminals
Customers' Specific Solutions

» Company Profile «

Our Products

- Multi-way connector systems with terminations for insulation displacement crimping or soldering
- Solderless terminals
- Crimp contacts
- Customers' special products
- Terminating systems for all STOCKO products:
Hand tools, semi- and fully automated machines

Our Markets

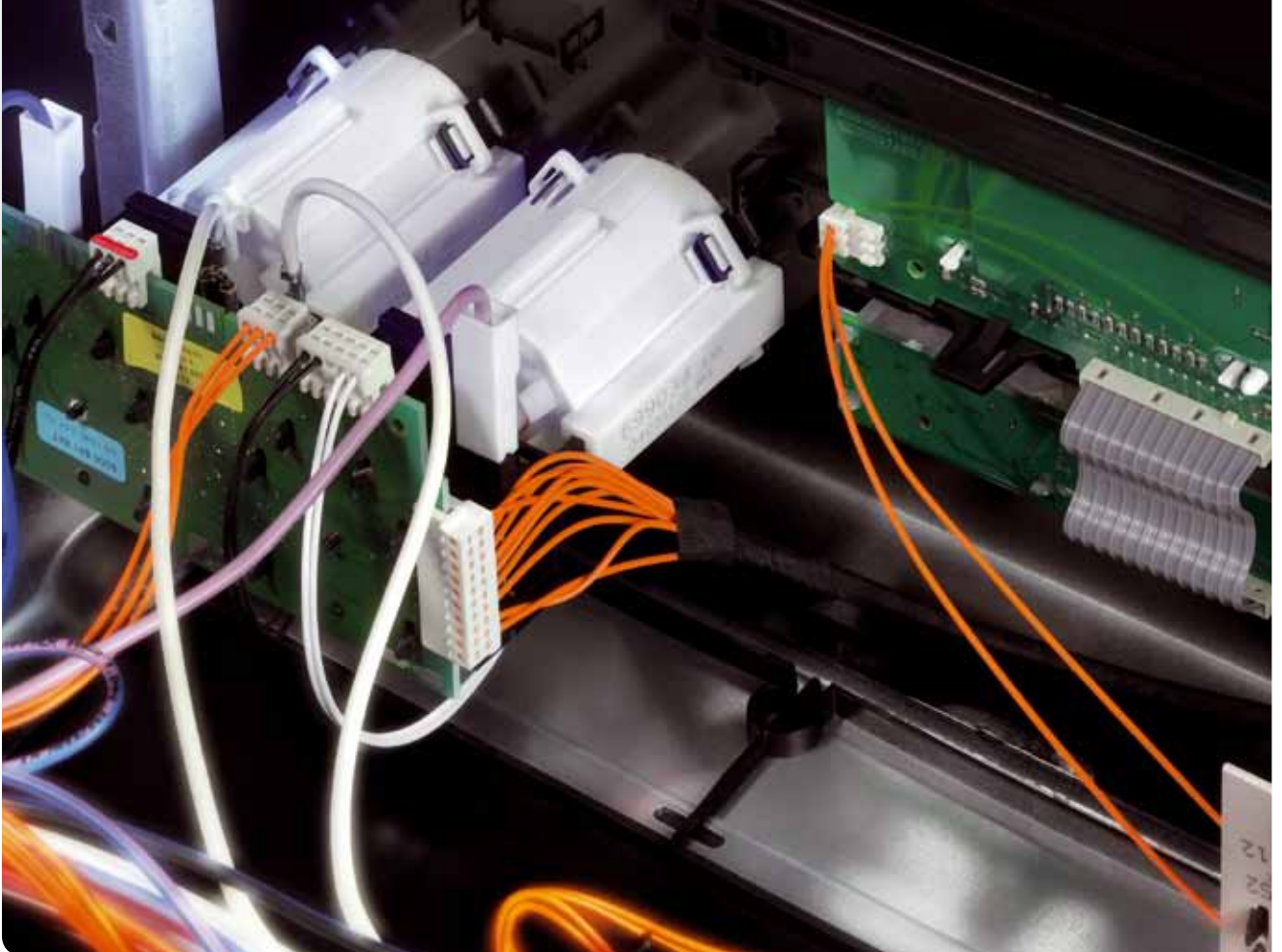
- Domestic appliances industry
- Heating industry
- Industry
- Automotive
- Distribution

Assured Quality

DQS-certified integrated management systems

- Certified according to
ISO 9001
ISO 14001
ISO / TS 16949
STOCKO CONTACT Germany, France
Certified according to
ISO 50001
STOCKO CONTACT Hellenthal / Germany
- Approval company: DQS GmbH, Frankfurt





Founded

- 1901 in Wuppertal

Employees World-wide

- 550

Factories

- Wuppertal / Germany
- Hellenthal / Germany
- Andlau / France
- Sokolov / Czech Republic
- Shanghai / China



»Index«



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We reserve the right to alter technical details.
WEEE-Reg.-Nr. DE 14484959



» TO COMMUNICATE – REALIZE DEVELOPMENTS – ACHIEVE RESULTS
with your STOCKO Contact Team«

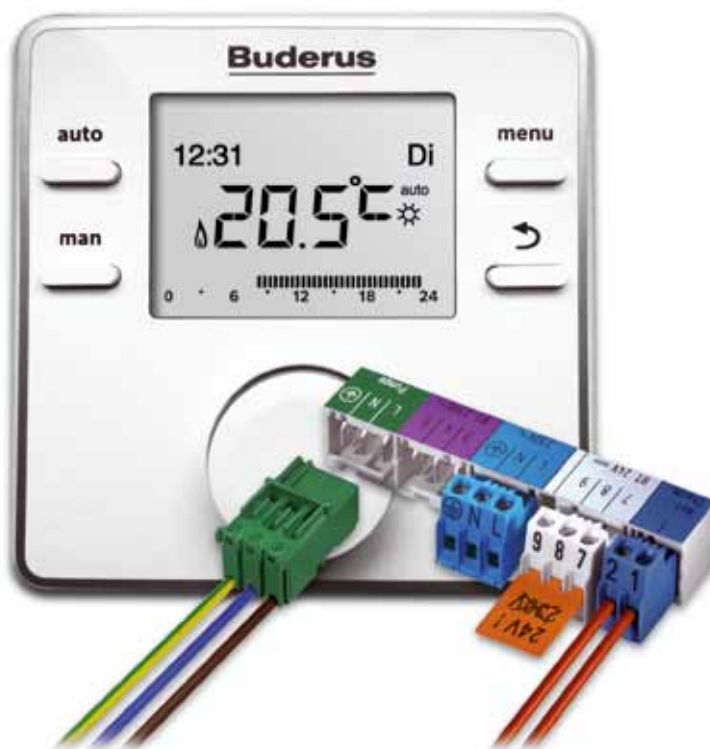
» Secure Connections. World-wide.«

This is at the heart of our company philosophy.











Good electrical connections are our business for more than one hundred years.

STOCKO – our name is synonymous with connector systems in crimp, screw-type and IDC form, crimp contacts and solderless terminals as well as special customer parts. Developments in the electrical and electronics industries advance at a phenomenal rate. New technologies change and create markets. This applies particularly to the heating, ventilating and air conditioning industries. In these markets, STOCKO could position themselves so well in the last few years that meanwhile these sectors rank among those segments within our company, which show the strongest growth.

Authority, willingness to perform, and the high quality of the products made us, what we are today: STOCKO understand themselves as competent partners for electro-mechanical products and offer you for these markets, too, a suitable product range, all from one hand. Not only our comprehensive catalogue program, but also the individual, flexible customer solutions document our ambition to adapt constantly to the needs of the market and the customers. Our aim is satisfied customers, who maintain an long-term connection with our company. To offer you products of superior quality, tuned in support of your needs, are characteristic for all our divisions. Therefore, innovation, proximity to and close cooperation with our customers are at the centre of our attention. Together, we can invest in first-class technologies, realize innovations and thus achieve high-quality products and comprehensive flexibility.



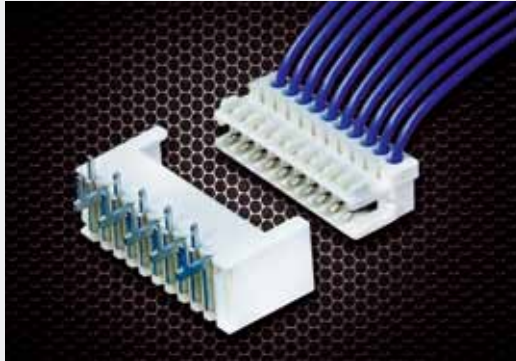
Combination alternatives

| Series | | | ECO-FLEX M | ECO-FLEX ML | ECO-DOMO TI |
|------------------|---------------------------------------|---|---|---|---|
| Pin connectors ▷ | | |  |  |  |
| IDC housings ▽ | | | | | |
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| 14 | ECO-DOMO NF |  | • | • | • |
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| 19 | Wiecon 8105 ^B |  | • | • | • |
| 19 | Wiecon 8105 ^{FU} VR or VL |  | | | |
| 21 | ECO-DOMO CRIMP EH 688 |  | • | • | • |
| 21 | ECO-DOMO CRIMP EH 699 |  | • | • | • |
| 21 | ECO-DOMO CRIMP EH 788 |  | | | |



Combination alternatives

| EH 788 | ECO-FLEX BL | ECO-FLEX MBL | ECO-FLEX SMT | ECO-DOMO PM |
|--|---|---|--|---|
|  |  |  |  |  |
| 21 | 18 | 18 | 16 | 20 |
| | | • | • | • |
| | • | • | | |
| • | | • | • | • |
| | • | • | | |
| • | | • | • | • |
| • | | • | • | • |
| | • | • | | |



MS 7232 with MF 7234



MS 7247

Description of system

IDC housings

- Direct and indirect connectors with IDC termination in accordance with the RAST 2.5 standard specification for domestic appliances
- Closed cable entries ensure long air and creeping distances
- Trimming polarizing pegs to individual requirements produces a large number of clearly defined connector combinations
- With direct edge versions, polarizing and locking feature for PCB

Pin connectors

- In vertical and horizontal versions facilitate 90° and 180° cable angles
- SMT version for vertical PC board assembly

Pin connector panel mount

- Pin connector with IDC termination for entry through back panel
- Lockable in metal thickness 0.8 ± 0.1 mm

Technical data

| | | |
|------------|--------------------------------|--|
| Mechanical | Pitch | 2.5 mm |
| | Positions | 2 - 20 |
| | Termination | IDC |
| | Wire size | 0.12-0.14 mm ² / 0.22 - 0.35 mm ² |
| | Insulation Ø | max. 1.6 mm |
| | Hardness of insulation | Shore A 90° ± 5 |
| | Type of wire | solid, stranded |
| | Temperature range | -40 °C ... +120 °C |
| | Board thickness | 1.55 ± 0.19 mm |
| | | |
| Electrical | Rated current | 2 A |
| | Rated voltage | Pitch 2.5 mm: 32 V Pitch 5 mm: 250 V |
| | Dielectric strength | Fully assembled 2.5 mm: 1.4 kV |
| | | Partially assembled 5 mm: 2.8 kV |
| | Insulation resistance | > 10 ⁹ Ω |
| | Contact resistance | < 10 mΩ |
| | Air gap and creeping distances | Pitch 2.5 mm: > 1 mm |
| | | Pitch 5 mm: > 3 mm |
| | Tracking resistance | CTI ≥ 400 |
| | Approved by | DIN EN 61984 (IEC 61984) UL / ULC E96569 |
| Materials | Contact | Socket: CuSn, Cu-alloy Pin: CuZn |
| | Contact finishing | Socket: Sn, NiAu Pin: Sn |
| | Housing / SMT pin connector | PA, glow wire resistant, GWT 750 °C acc. to IEC 60335-1 |
| | Colour of housing | natural, SMT pin connector black |
| | Polarizing | to RAST 2.5 |

ECO-TRONIC CRIMP

Pitch 2.5 mm



MH 7438 with RFB 8408



MS 7232 with MH 7434

Description of system

Crimp housings

- Direct and indirect connectors with crimp termination
- Codings in accordance with the RAST 2.5 standard specification
- Closed cable entries ensure long air and creepage distances
- Trimming polarizing pegs to individual requirements produces a large number of clearly defined connector combinations
- With direct edge versions, polarizing and locking feature for PCB
- Primary and secondary lock

Pin connectors

- In vertical and horizontal versions facilitate 90° and 180° cable angles
- SMT version for vertical PC board assembly

Pin connector panel mount

- Compatible with pin connector of ECO-TRONIC with IDC termination
- Lockable in metal thickness 0.8 ± 0.1 mm

Technical Data

| | | |
|------------|--------------------------------|--|
| Mechanical | Pitch | 2.5 mm |
| | Positions | 2 – 12 (up to 20 on request) |
| | Termination | crimp technology |
| | Wire size | 0.22 and 0.35 mm ² |
| | Insulation Ø | max. 1.4 mm |
| | Hardness of insulation | Shore A 90° ± 5 |
| | Type of wire | stranded |
| | Temperature range | -40 °C ...+ 120 °C (Sn) |
| | Board thickness | 1.55 ± 0.19 mm |
| | | |
| Electrical | Rated current | 2 A |
| | Rated voltage | Pitch 2.5 mm: 32 V Pitch 5 mm: 250 V |
| | Dielectrical strength | Fully assembled 2.5 mm: 1.4 kV Partially assembled 5 mm: 2.8 kV |
| | Insulation resistance | > 10 ⁹ Ω |
| | Contact resistance | < 10 m Ω |
| | Air gap and creeping distances | Pitch 2.5 mm: > 1 mm Pitch 5 mm: > 3 mm |
| | Tracking resistance | CTI ≥ 400 |
| | | |
| Materials | Associated contact | RFB 8408 V 1,6-0,35 RFB 8408.520 1,6-0,35 |
| | Contact | CuSn, Cu-alloy |
| | Contact finishing | Sn, NiAu |
| | Housing | PA, glow wire resistant, GWT 750 °C acc. to IEC 60335-1 |
| | Colour of housing | natural |
| | Polarizing | to RAST 2.5 |

S-GRID 2.54

Pitch 2.54 mm



MH 780 / MH 790 with RVB 8231.001



MS 7730

Description of system

- Suitable for the connection to HVAC periphery devices, e. g. stepping/servo motors or linear actuators
- Housing variants
 - In-line 3 positions or
 - dual-line 6 positions
- Three different coding variants
- Crimped wires are insertable from the rear
- Cable exit 180°

SMD Socket Connector

- 4 to 80 poles socket connector double-row
- Board to board connection (bottom entry) with 0.64 x 0.64 mm pins
- Surface Mount Technology
- Contact area flash gold, soldering area tin plated

Technical data

| | | Housing | SMD Socket connector |
|------------|-----------------------|--|--|
| Mechanical | Positions | 3 / 6 | 4-80 |
| | Pitch | 2.54 mm | 2.54 mm |
| | Termination | Crimp | SMD soldering |
| | Wire size | 0.14 - 0.34 mm ² AWG 26-22 | |
| | Temperature range | - 20 °C ... +110 °C | - 40 °C ... +105 °C |
| Electrical | Rated current | max. 3 A at T _{amb} 80 °C | max. 1 A at T _{amb} 95 °C (max. 3 A at T _{amb} 47 °C) |
| | Rated voltage | 250 V | 250 V |
| | Dielectrical strength | ≥ 2.5 kV | ≥ 1.39 kV |
| | Insulation resistance | > 10 ⁹ Ω | > 10 ⁹ Ω |
| | Contact resistance | < 10 mΩ | < 40 mΩ |
| | Air gap | 1.5 mm | 1.5 mm |
| | Creeping distances | 1.8 mm | ≥ 1.25 mm |
| | Tracking resistance | CTI ≥ 425 | CTI ≥ 600 |
| Materials | Housing | PA, glow wire resistant, GWT 750 °C acc. to IEC 60335-1 | PA, glow wire resistant, GWT 750 °C acc. to IEC 60335-1 |
| | Colour of housing | various colors | black |
| | Associated contact | RVB 8231.001 Z 0.64-0.35 | |
| | Contact | CuSn | CuSn |
| | Contact finishing | Sn | Contact area: gold flash, Soldering area: Sn |

HLK 3500

Pitch 3.5 mm



MH 9850 with RFB 7808

Description of system

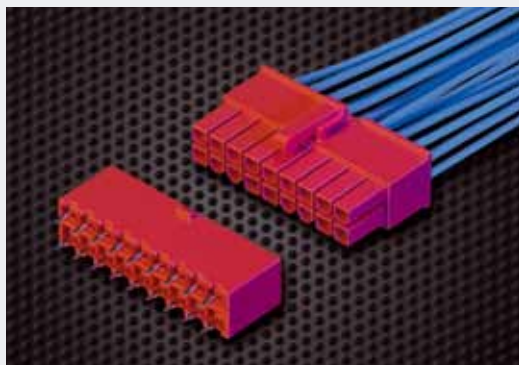
- Suitable for the connection to HVAC periphery devices, e. g. stepping/servo motors or linear actuators
- Pitch 3.5 mm
- Pluggable connector with external locking feature
- Crimped wires are from the rear insertable
- Cable exit 180°
- Remarks with or without seal
- With seal IP 44
- Clear positioning

Technical data

| | | |
|------------|-----------------------|---|
| Mechanical | Positions | 4 |
| | Pitch | 3.5 mm |
| | Termination | Crimp |
| | Temperature range | -40 °C ... +120 °C |
| | Wire size | 0.12 - 0.5 mm ² |
| Electrical | Rated current | max. 5 A |
| | Rated voltage | 250 V |
| | Insulation resistance | > 10 ⁹ Ω |
| | Contact resistance | < 10 mΩ |
| Materials | Housing | PA, glow wire resistant, GWT 750 °C acc. to IEC 60335-1 |
| | Colour of housing | black |
| | Associated contact | RFB 7808 V 0.6-0.5 |
| | Contact | CuSn |
| | Contact finishing | Sn |

S-FIT 4.20

Pitch 4.2 mm



MS 7715 with EH 715



MS 7708 with EH 705

Description of system

- Universal connector system for internal equipment wiring
- Applicable as flying lead coupling, for panel mounting or for printed circuit board contacting
- Available in a range of versions and materials
- Crimp contacts are touch-protected into the housing located
- Cable exit 180°

Technical data

| | | | |
|------------|--------------------------------|-------------------------|---|
| Mechanical | Positions | Single-row | 2 - 6 |
| | | Dual-row | 2 - 24 |
| | Pitch | | 4.20 mm |
| | Termination | Connector, Counter part | Crimp |
| | | Headers | Solder |
| | Wire size | | 0.22 - 0.48 mm ² / AWG 24-22 0.50 - 1.00 mm ² / AWG 20-18 |
| Electrical | Degree of pollution | | II |
| | Temperature range | | -40 °C ... +110 °C |
| | Rated current | | 7 A |
| | Rated voltage | | 250 V |
| | Insulation resistance | | > 10 ⁹ Ω |
| | Contact resistance | | < 10 mΩ |
| | Air gap and creeping distances | | ≥ 3 mm |
| | Tracking resistance | | CTI ≥ 325 ¹⁾ |
| | Surge category | | II |
| | Insulation group | | III a ¹⁾ |
| | Dielectric strength | | 3 kV |
| | Approved by | | UL / ULC E96569 |
| | Materials | Housing | PA PA, glow wire resistant, GWT 750 °C acc. to IEC 60335-1 natural, other colours on request |
| | | Colour of housing | |
| | | Contact | CuZn |
| | | Contact finishing | Sn |

¹⁾ Depending on material

ECO-TRONIC pro

Pitch 5 mm



MS 7230 with MF 7260

Description of system

IDC housings

- Direct and indirect connectors with IDC termination in accordance with the RAST 2.5 standard specification for domestic appliances
- Closed cable entries ensure long air and creeping distances
- Trimming polarizing pegs to individual requirements produces a large number of clearly defined connector combinations
- With direct edge versions, polarizing and locking feature for PCB

Pin connectors

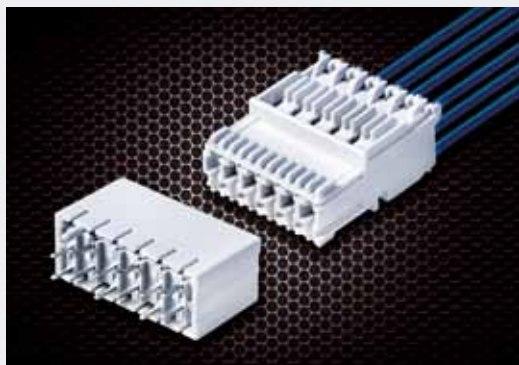
- Versions for vertical or horizontal PC board assembly

Technical data

| | | |
|------------|--------------------------------|--|
| Mechanical | Pitch | 5 mm |
| | Positions | 2 - 10 |
| | Termination | IDC |
| | Wire size | 0.35 - 0.75 mm ² |
| | Insulation Ø | max. 2.4 mm |
| | Hardness of insulation | Shore A 90° ± 5 |
| | Type of wire | stranded |
| | Temperature range | -40 °C ...+120 °C |
| | Board thickness | 1.55 ± 0.19 mm |
| Electrical | Rated current | 6 A |
| | Rated voltage | 250 V |
| | Dielectric strength | 2.8 kV |
| | Insulation resistance | > 10 ⁹ Ω |
| | Contact resistance | < 10 mΩ |
| | Air gap and creeping distances | > 3.2 mm |
| | Tracking resistance | CTI ≥ 400 |
| | Approved by | DIN EN 61984 (IEC 61984) UL / ULC E96569 |
| Materials | Contact | Socket: CuSn Cu-alloy |
| | | Pin: CuZn |
| | Contact finishing | Socket: Sn Pin: Sn |
| | Housing | PA, glow wire resistant, GWT 750 °C acc. to IEC 60335-1 |
| | Colour of housing | natural |
| | Polarizing | to RAST 2.5 |

ECO-DOMO NF

Pitch 5 mm



MS 9401 with MF 9561

Description of system

IDC housings

- Direct and indirect connector with IDC termination in accordance with the RAST 5 standard specifications for domestic appliances, with locking features inside or outside
- Direct connector with keying walls between contacts and side walls, locking features for PCB
- Cable exit 90° and 180° according to RAST 5

Tab connectors

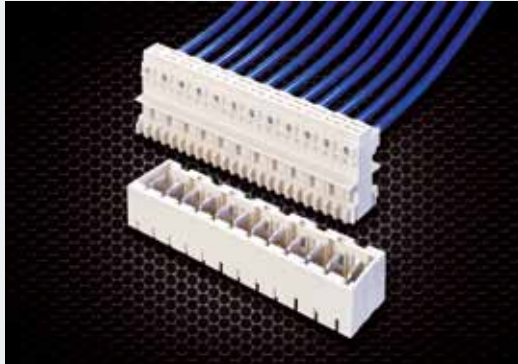
- Versions for vertical or horizontal PC board assembly see ECO-FLEX M

Technical data

| | | | |
|------------|-----------------------|--------------------|--|
| Mechanical | Pitch | | 5 mm |
| | Positions | Direct connector | 2 - 12 |
| | | Indirect connector | 1 - 12 |
| | Locking features | Direct connector | PCB |
| | | Indirect connector | inside and outside |
| | Termination | | IDC |
| | Wire size | Direct connector | 0.5 - 0.75 mm ² |
| | | Indirect connector | 0.35 - 1.5 mm ² |
| | Insulation diameter | | 3.0 mm |
| | | Cable exit 180° | max. < 2,4 mm |
| Electrical | Type of wire | | stranded |
| | Temperature range | | - 40 °C ...+110 °C |
| | Rated current | Direct connector | 6 A |
| | | Indirect connector | 16 A |
| | Rated voltage | | 250 V |
| | Dielectrical strength | | ≥ 3.0 kV |
| | Insulation resistance | | ≥ 10 ⁹ Ω |
| | Contact resistance | | ≤ 5 mΩ |
| | Air gap | | ≥ 3 mm |
| | Creeping distance | | ≥ 3.6 mm |
| | Tracking resistance | | CTI ≥ 400 |
| | Approved by | | DIN EN 61984 (IEC 61984) UL / ULC E96569 |
| Materials | Contact | | Socket: CuSn |
| | Contact finishing | | Socket: Sn |
| | Housing | | PA, glow wire resistant, GWT 750 °C acc. to IEC 60335-1 |
| | Colour of housing | | natural |

ECO-DOMO FT

Pitch 5 mm



MF 9761 with MS 9401

Description of system

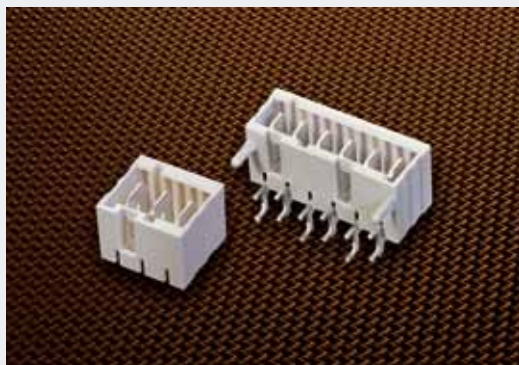
- Indirect IDC connector in accordance with the RAST 5 standard specification for domestic appliances
- Suitable for up to 10 A current load
- Complex cable assemblies with fully automated terminating capability
- Highly economical
- Cable exit at 90°
- As direct connector necessary, STOCKO offers with the series ECO-TRONIC pro an economical solution

Technical data

| | | |
|------------|--------------------------------|--|
| Mechanical | Pitch | 5 mm |
| | Positions | 1 - 12 |
| | Termination | IDC |
| | Wire size | 0.35 / 0.5 - 1.0 mm ² |
| | Type of wire | stranded |
| | Temperature range | -40 °C ...+ 120 °C |
| Electrical | Rated current | 10 A |
| | Rated voltage | 250 V |
| | Dielectrical strength | 3.0 kV |
| | Insulation resistance | > 10 ⁹ Ω |
| | Contact resistance | < 5 m Ω |
| | Air gap and creeping distances | > 4 mm |
| | Tracking resistance | > 400 CTI |
| Materials | Approved by | DIN EN 61984 (IEC 61984) |
| | Contact | Socket: Cu-alloy |
| | Contact finishing | Socket: Sn |
| | Housing | PA, glow wire resistant, GWT 750 °C acc. to IEC 60335-1 |
| | Colour of housing | natural |

ECO-FLEX M

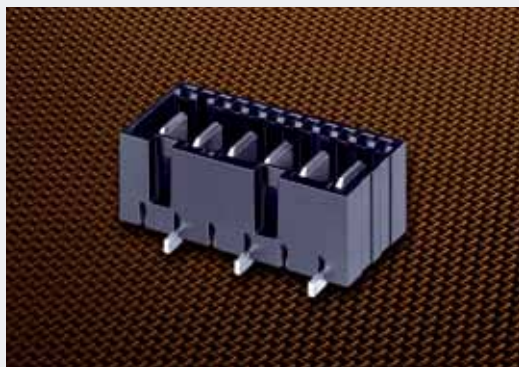
Pitch 5 mm



MS 9401 and MS 9406

Description of system

- Tab connector in accordance with the RAST 5 standard specification for domestic appliances
- Versions for vertical or horizontal PC board assembly
- SMT version for vertical PC board assembly
- Higher horizontal version also suitable for connectors with locking features outside
- For in-line or dual-line hole patterns
- Individual polarizing and positioning possible
- Pegs optional



MS 9481 SMT

Technical data

| | | |
|------------|-------------------------------------|--|
| Mechanical | Pitch | 5 mm |
| | Positions | 2 - 12 2 - 6 (SMT) |
| | Termination | soldering |
| Electrical | Temperature range | -40 °C ... +120 °C |
| | Rated current ²⁾ | 16 A |
| | Rated voltage ²⁾ | 250 V |
| | Dielectrical strength ³⁾ | 2.5 kV |
| | Tracking resistance ^{1,3)} | CTI ≥ 400 |
| | Air gap and creeping distance | ≥ 4 mm |
| | Insulation resistance | > 10 ⁹ Ω |
| | Contact resistance | < 10 mΩ |
| | Approved by | DIN EN 61984 (IEC 61984) UL / ULC E96569 |
| Materials | Contacts | Tabs 6.3 x 0.8 mm |
| | Housings | PA, glow wire resistant, GWT 750 °C acc. to IEC 60335-1 |
| | SMT pin connector | PA, glow wire resistant, GWT 750 °C acc. to IEC 60335-1 |
| | Colour of housing | natural, SMT pin connector black |
| | Contact material | CuZn |
| | Contact finishing | Sn or Ag |

¹⁾ according to IEC 60664

²⁾ depending on mating connector and PC board in use

³⁾ depending on material

ECO-DOMO TI

Pitch 5 mm



MS 9460

Description of system

- Tab connector for IDC termination as flying lead coupling or for panel mounting application
- Versions with / without locking features
- Cable exits 90°, 180° (optional 270°)
- Single and / or twin terminations depending on wire size
- Codings in accordance with the RAST 5 standard specifications
- Label optional

Technical data

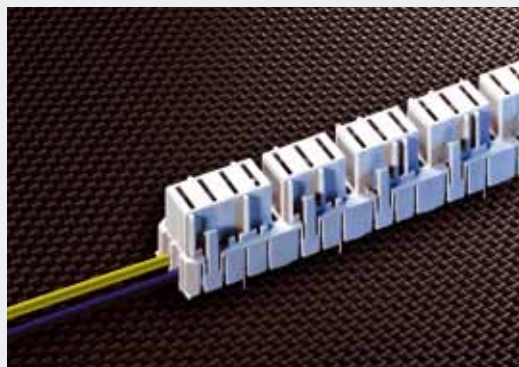
| | | |
|------------|-------------------------------|--|
| Mechanical | Pitch | 5 mm |
| | Positions | 2 - 10 |
| | Termination | IDC |
| | Wire size | 0.5 - 0.75 mm ² / 0.5 + 0.5 mm ² |
| | Insulation diameter | 2.3 mm |
| | Type of wire | stranded wire |
| | Temperature range | - 40 °C ...+ 110 °C |
| Electrical | Rated current | 10 A |
| | Rated voltage | 250 V |
| | Dielectrical strength | 2.5 kV |
| | Tracking resistance | CTI ≥ 400 |
| | Air gap and creeping distance | ≥ 4 mm |
| | Insulation resistance | > 10 ⁹ Ω |
| | Contact resistance | < 10 m Ω |
| Materials | Approved by | DIN EN 61984 (IEC 61984) |
| | Contact | tabs 6.3 x 0.8 mm |
| | Contact material | CuSn |
| | Contact finishing | Sn |
| | Housings | PA, glow wire resistant, GWT 750 °C acc. to IEC 60335-1 |
| | Colour of housing | natural |

ECO-FLEX ML, BL, MBL

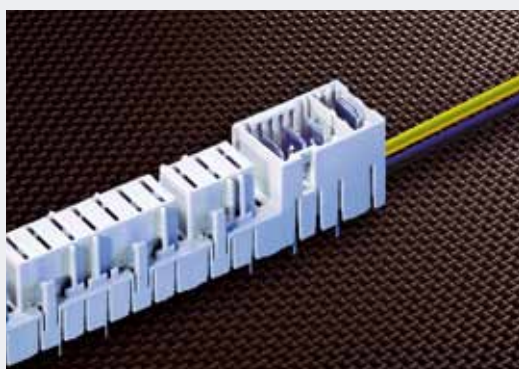
Pitch 5 mm



MS 9420



MF 9430



MSF 9440

Description of system

- Connector system allowing individual, free contact combinations in accordance with the RAST 5 standard specification for domestic appliances
 - ECO-FLEX ML Tab connector optional with bridging contacts
 - ECO-FLEX BL Socket connector optional with bridging contacts
 - ECO-FLEX MBL Connectors in tab/socket combinations optional with bridging contacts
- Versions for vertical or horizontal PC board assembly
- For dual-in-line or in-line hole patterns
- Individual polarizing possible
- Clear grouping of connecting positions using movable inserts or empty spaces
- Neutral and/or grounded bridging contacts
- Polarizing pegs optional
- Advancing tab contacts as grounded conductor optional
- Suitable for RAST 5 indirect connectors in screw, crimp or IDC technology

Technical data

| | | |
|------------|--------------------------------|---|
| Mechanical | Positions | 2 - 30 ¹⁾ |
| | Pitch | 5 mm |
| Electrical | Termination | Soldering |
| | Inserts or empty spaces | 7.5 mm, 10 mm |
| | Temperature range | - 40 °C ... +120 °C |
| | Rated current | Tab 16 A Socket contact 10 A Bridging contact 10 A |
| Materials | Rated voltage | 250 V |
| | Dielectrical strength | ≥ 2.5 kV |
| | Insulation resistance | > 10 ⁹ Ω |
| | Contact resistance | < 10 m Ω |
| | Air gap and creeping distances | ≥ 4 mm |
| | Tracking resistance | CTI ≥ 400 |
| | Approved by | DIN EN 61984 (IEC 61984) UL / ULC E96569 only series MS 941x |
| | Housing | PA, glow wire resistant, GWT 750 °C acc. to IEC 60335-1 |
| | Colour of housing | natural |
| | Contact | CuZn / CuSn |
| | Contact finishing | Sn |

¹⁾ depending on number of inserts or empty spaces, higher pole versions on request

Tab connector ECO-FLEX ML/BL/MBL loaded with WIECON 8105

Pitch 5 mm



MS 9412 loaded with RAST 5 PCB connectors

Description of system

- Tab connector ECO-FLEX with RAST 5 PCB connectors in screw-type technology in accordance with RAST 5 standard specification for domestic appliances
- Suitable for solid or stranded wire with or without end splice
- Cable exit 90°, 180° or 270°, depending upon connector
- Labelling and/or colour coding optional



Wiecon 8105 B *

Technical data Wiecon 8105 *

| | | |
|------------|---------------------------|--|
| Mechanical | Positions | 2 - 7 |
| | Pitch | 5 mm |
| | Termination | screw-type |
| | Wire size | 0.14 - 2.5 mm ² finely stranded 0.14 - 4 mm ² single stranded |
| | Ambient temperature range | -25 °C ... +60 °C |
| Electrical | Rated current | max. 10 A |
| | Rated voltage | 250 V |
| | Dielectrical strength | 2.0 kV |
| | Insulation resistance | > 10 ⁹ mΩ |
| | Contact resistance | < 10 mΩ |
| | Air gap | ≥ 3 mm |
| | Creeping distances | ≥ 4 mm |
| | Tracking resistance | CTI ≥ 325 |
| | Approved by | DIN EN 61984 (IEC 61984) UL / ULC E90664, only series MS 941x UL E60678, Wiecon 8105 |
| | | |
| Materials | Housing | PA, glow wire resistant, GWT 750 °C acc. to IEC 60335-1 |
| | Colour of housing | various colors |
| | Contact | STOL 78 / CuZn |
| | Contact finishing | Sn |



Wiecon 8105 FU *

* Customized connectors, for details please contact Wieland Electric GmbH, Bamberg

www.wieland-electric.com
e-mail: info@wieland-electric.com
Phone: +49 951 9324-0

ECO-DOMO PM

Pitch 5 mm



MS 9450

Description of system

- Tab connector for flying lead or panel mounting
- Dimensions of housing in accordance with RAST 5 standard specification for domestic appliances
- Mating connector for series ECO-DOMO NF and ECO-DOMO Crimp
- Different polarizing
- Contact via 6.3 mm tabs

Technical data

| | | |
|------------|-------------------|--|
| Mechanical | Positions | 2 - 10 |
| | Pitch | 5 mm |
| | Temperature range | -40 °C ... +130 °C |
| | Panel thickness | 0.8 - 1.0 mm |
| Electrical | Current rating | max. 16 A |
| | Nom. voltage | max. 400 V |
| | Approved by | DIN EN 61984 (IEC 61984) |
| Materials | Housing | PA, glow wire resistant, GWT 750 °C acc. to IEC 60335-1 |
| | Colour of housing | natural |
| | Contact | 6.3 x 0.8 mm tab |
| | Contact material | CuZn |
| | Contact finishing | Sn |

ECO-DOMO CRIMP

Pitch 5 mm



EH 688



Description of system

Housings

- Housing with crimp connection
- Dimensions of housing in accordance with RAST 5 standard specification for domestic appliance
- Different polarizing features
- Indirect connector with inside locking device
- Cable exit 90° / 180°



EH 699



Technical data

| | | | |
|------------|-----------------------|-----------------|--|
| Mechanical | Pitch | | 5 mm |
| | Positions | EH 699 | 2 - 5 |
| | | EH 688 | 2 - 8 |
| | | EH 788 | 2 - 6 |
| | Locking features | EH 688 / EH 699 | inside 6.3 FSH |
| | Termination | | Crimp technology |
| Electrical | Wire size | | 0.5 - 1.5 mm ² |
| | Insulation-Ø | | max. 3.3 mm |
| | Temperature range | EH 688 / EH 699 | -40 °C ... +120 °C |
| | | EH 788 | -40 °C ... +135 / 140 °C (depending on material) |
| | Rated current | | 16 A |
| | Rated voltage | | 250 / 400 V |
| Materials | Dielectrical strength | | ≥ 3.0 kV |
| | Air gap | | ≥ 3 mm |
| | Creeping distance | | ≥ 3 mm |
| | Approved by | EH 688 / EH 699 | DIN EN 61984 (IEC 61984) |
| | | EH 688 | UL / ULC E96569 |
| | | EH 699 | UL E306640 |
| Materials | Contact | | CuZn |
| | Contact finishing | | Sn |
| | Housing | | PA, glow wire resistant, GWT 750 °C acc. to IEC 60335-1 |
| | Colour of housing | | natural other colours on request |



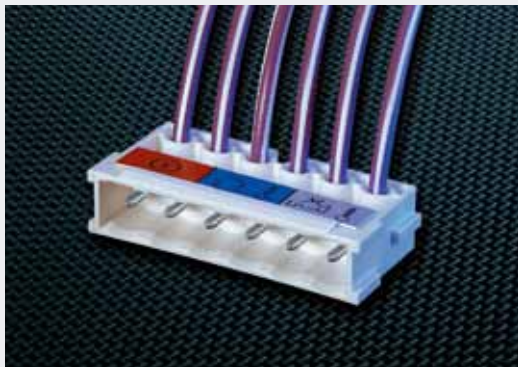
EH 788 Housing for tab 6.3 mm RMB 7831.010

S-CON 5.08

Pitch 5.08 mm



MA 9510



MA 9508



Wiecon 8213 B *

Description of system

- Tab connector for IDC termination as flying lead coupling or for panel mounting application
- Different coding variants on request
- Cable exit 90°, 270°
- Label optional
- Mating counterpart e. g. Wiecon 8213 B*

Technical data

| | | |
|------------|-----------------------|---|
| Mechanical | Positions | 2 - 13 |
| | Pitch | 5.08 mm |
| | Termination | IDC |
| | Wire size | 0.35 - 0.5 mm ² |
| | Temperature range | -40 °C ... +110 °C |
| Electrical | Rated current | max. 6 A |
| | Rated voltage | 250 V |
| | Dielectrical strength | ≥ 2.5 kV |
| | Insulation resistance | > 10 ⁹ Ω |
| | Contact resistance | < 10 mΩ |
| | Air gap | ≥ 4 mm |
| | Creeping distances | ≥ 2.5 mm |
| | Tracking resistance | CTI ≥ 250 |
| Materials | Housing | PA, glow wire resistant, GWT 750 °C acc. to IEC 60335-1 |
| | Colour of housing | natural |
| | Associated contacts | RSB 8199 |
| | Contact | CuSn |
| | Contact finishing | Sn |

* Customized connectors, for details please contact Wieland Electric GmbH, Bamberg

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S-LOCK 6.35

Pitch 6.35 mm



EH 712 with EH 713

Description of system

- Universal connector system for HVAC market, white goods and industrial electronics
- Application as flying lead assemblies, panel mounting and for PCB connections.
- 2 to 15 positions with crimp contacts and locking feature outside
- Suitable for power connections up to 16 A
- Headers pre-loaded for PCB assembly
- Cable exit 180°
- Coding via contact types
- Clear positioning

Technical data

| | | | |
|------------|--------------------------------|--|--------|
| Mechanical | Pitch | 6.35 mm | |
| | Positions | In-line | 2 - 5 |
| | | Multi-row | 6 - 15 |
| | Termination | Connector / Counter Part | Crimp |
| | | Headers | Solder |
| | Wire size | 0.34 - 0.82 mm ² / AWG 22-18 | |
| | | 0.75 - 2.03 mm ² / AWB 18-14 | |
| | Locking feature | yes | |
| Electrical | Degree of pollution | 2 | |
| | Temperature range | -40 °C...+ 110 / + 120 °C ¹⁾ | |
| | Rated current | max. 16 A | |
| | Rated voltage | 400 V | |
| | Dielectric strength | 2.21 kV | |
| | Insulation resistance | 10 ⁹ Ω | |
| | Contact resistance | < 10 m Ω | |
| | Air gap and creeping distances | ≥ 4 mm | |
| | Tracking resistance | CTI 600 / ≥ 300 ¹⁾ | |
| | Surge category | II | |
| Materials | Insulation group | I / III a ¹⁾ | |
| | Approved by | UL E306640 and UL / ULC E96560 | |
| | | VDE tested | |
| | Contact | CuZn, CuSn | |
| | Contact finishing | Sn | |
| | Housing | PA | |
| | | PA, glow wire resistant, GWT 750 °C acc. to IEC 60335-1 | |
| | Colour of housing | natural | |
| | Polarizing | yes | |

¹⁾ Depending on material

Sensor Plug

Pitch 6.5 mm

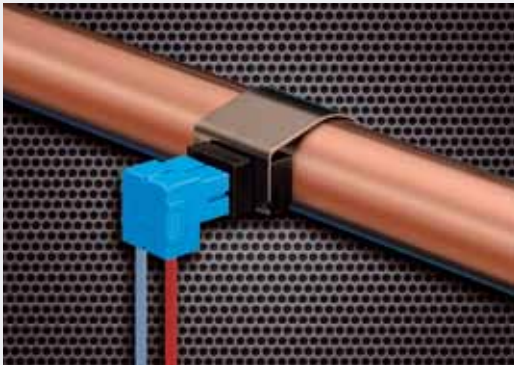


MH 2480 with RSB 8186

Description

- 2-pole sensor plug
- Pitch 6.5 mm
- Loadable with flag receptacles 4.8 mm RSB 8186
- Cable exit 90°
- Locking cap
- Different colours

Technical data



MH 2480 at temperatur sensor

| | | |
|------------|---|---|
| Mechanical | Positions | 2 |
| | Pitch | 6.5 mm |
| | Termination | Crimp |
| | Wire size | 0.5 - 1.5 mm ² (AWG 20-16) |
| | Insulation Ø max. | 2.8 mm |
| | Stripping length | 4.5 ± 0.5 mm |
| | Locking feature | Locking cap |
| | Temperature range | -40 °C ... + 110 °C |
| | | |
| | | |
| Electrical | Rated current | 16 A / Contact up to T _{Amb} = 64°C |
| | Rated voltage | 250 V |
| | Overvoltage category | III |
| | Test voltage | 1.39 kV / 60 s |
| | Dielectric strength at housing material | 5 kV |
| | Insulation group | III a |
| | Degree of pollution | 3 |
| | Tracking resistance | CTI ≥ 325 |
| | Air gap | ≥ 1.5 |
| | Creeping distances | ≥ 2.5 |
| | Insulation resistance | > 10 ⁹ Ω |
| | Contact resistance | < 10 m Ω |
| | | |
| Materials | Contact material | CuZn |
| | Contact finishing | Sn |
| | Housing | PA, glow wire resistant, GWT 750 °C acc. to IEC 60335-1 |
| | Colour of housing | different |



MV 2490 with MH 2490

Description of system

- 1 to 4 poles circular connector
- Round contacts for crimp termination
- Sealed according to IP44
- Two-sided external locking latches
- Possibility of coding
- Single or hose cable
- Cable exit 180°
- Clamping possibility for lateral plate cut out
- Housing rip

Technical data

| | | |
|------------|--------------------------------|--|
| Mechanical | Poles | 1 - 4 |
| | Termination | Crimp |
| | Applicable terminals | |
| | Socket | RBB 8210 |
| | Pin | RTB 8211 |
| | Split pin, low insertion force | RTB 8212 |
| | Wire size | 0.35 - 2.03 mm ² |
| | Temperature range | -40 °C ... + 120 °C |
| Electrical | Rated current | 16 A |
| | Rated voltage | 250 V |
| | Dielectrically strength | > 2.21 kV |
| | Insulation resistance | > 10 ⁹ Ω |
| | Contact resistance | < 10 m Ω |
| | Creeping distance | ≥ 2.2 mm |
| | Tracking resistance | CTI ≥ 400 |
| Materials | Housing | PA, glow wire resistant, GWT 750 °C acc. to IEC 60335-1 |
| | Colour of housing | natural |
| | Contact material | CuZn or CuSn |
| | Contact finishing | Sn |

Crimp Contacts

Solderless Terminals



Receptacles



Housings



Solderless terminals

Crimp contacts in bandolier form

- Receptacles, for tab widths 2.8 mm, 4.8 mm and 6.3 mm
- Versions: self locking, permanently engaged, low insertion force, as timer contact, for housings, suitable for RAST 5 housings
- Tabs, tab widths 2.8 mm, 4.8 mm and 6.3 mm
- Printed circuit board contacts
- Tabs for printed circuit board insertion, tab widths 2.8 mm, 4.8 mm and 6.3 mm
- Weld tabs, tab width 6.3 mm
- Open barrel terminals with and without insulation crimp, special versions and as C-type
- End splices
- Sockets
- Circular pins
- Special connectors
- Insulation housings
- Terminating technology

Solderless terminals

- Solderless terminals with and without insulation
- Pin terminals
- Parallel splices
- Butt splices
- Receptacles
- Tabs
- Terminal blocks
- Circular terminals and blocks
- End splices
- Insulation housings
- Terminating technology: Cable stripper, hand tools, electrical and hydraulic crimping tools

Terminating technology



The quality and reliability of an electrical connection depend largely on the terminating technology.

Consequently, STOCKO offers an economical and efficient terminating technique for every product.

Whatever the particular requirements and production quantities are, we offer state-of-the-art tools and machinery.

From a simple hand tool to semi-automated machines and to fully automated machines of modular construction incorporating "Just-in-Time" functions, computer controlled machine operation, automated quality control, modem connection for remote diagnostics, and the option to program sequences in cableform output.

With the object in mind improving our customers' productivity through optimum production rationalization.

A qualified STOCKO team of service engineers is always at your disposal for advice and practical assistance. In an emergency, they attend to prompt machine maintenance and carry out preventative servicing tasks.

1 Service hand tool for IDC connector systems

2 STOCKOMAT ECO-DOMO professional line

Semi-automated terminating machine for connector ECO-DOMO according to RAST 5 specification

3 STOCKOMAT CRIMP professional line

Semi-automatic terminating machine for crimp contacts in bandolier form

4 ECO-MASTER

Fully automated terminating machine for connector series ECO-TRONIC, ECO-TRONIC pro and crimp contacts.

» References «

Companies ordering from STOCKO Contact are multinational concerns and privately owned enterprises. They are customers that are further extending their presence in the various markets of the world and are eager to accept and utilize new technologies.



» Together, we formulate solutions that meet the agreed objectives in every detail. «



Service and close proximity with our customers has always been a top priority and form an integral part of the STOCKO philosophy.

Of course, to discuss with our customers their specific requirements and to meet their expectations in the best possible way is part of our flexibility. We wish to offer our customers superior performance characteristics and to support them in their business activities by anticipating future requirements.

Our customers shall be able to rely upon us so that they become true partners eventually. Partners, who we can assist with our know-how and comprehensive knowledge of the markets.

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