



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
- Industrial electronics
- Automotive
- Distribution

Assured Quality

- Approve to DIN EN ISO 9001:2000
STOCKO CONTACT Germany, France
- Approve to ISO/TS 16949
STOCKO CONTACT Andlau, France
- Approval company: DQS GmbH, Frankfurt

Founded

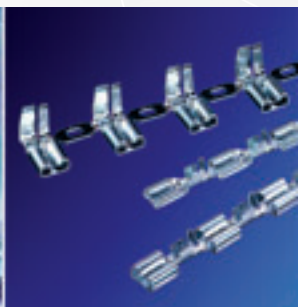
- 1901 in Wuppertal

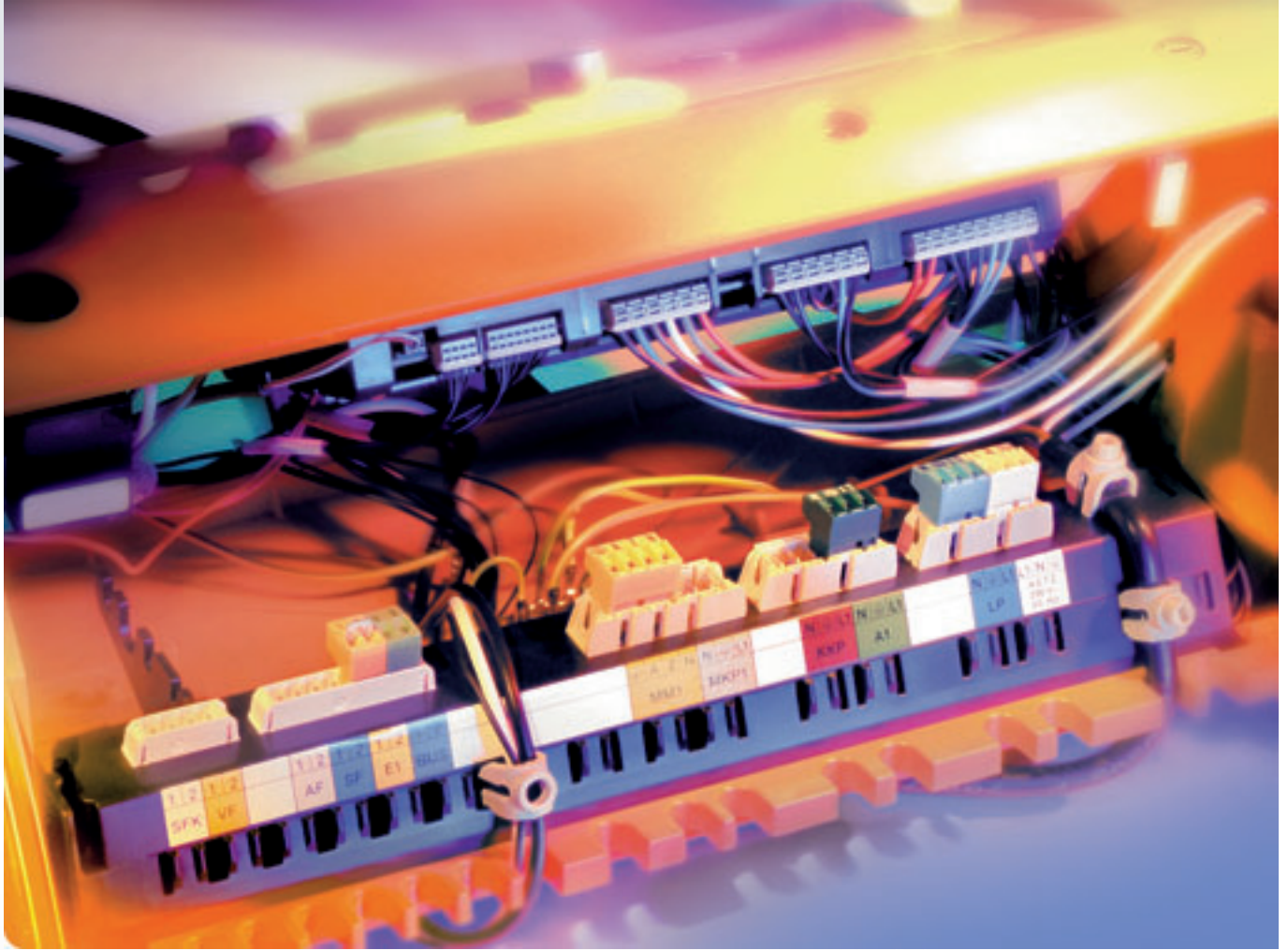
Employees World-wide

- 450

Factories

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

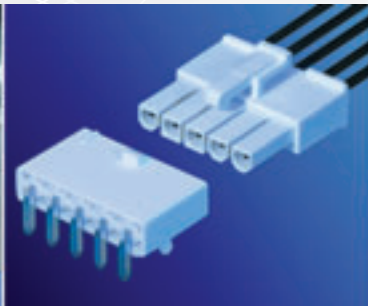




RoHS conform
lead-free

Qualitätsmanagement
ISO 9001

For the sake of the environment



» Secure Connections. World-wide.«

Today, STOCKO is one of the leading European manufacturers of electro-mechanical components; for very good reasons, because, for more than one hundred years, we are focussed in our daily work on the most important object, to satisfy our customers.

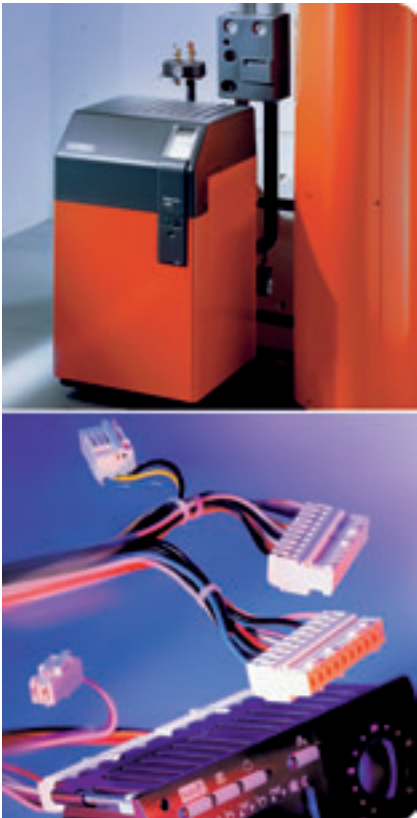
Of course, it is not easy to meet these expectations over such a long period of time. Electronic component manufacturing is a key industry that does not tolerate mistakes, and customers' requirements are very complex and challenging. Again and again, they demand our full efforts beginning with research and development and finally in logistics and marketing. Hence we invite our customers' involvement in numerous stages of production processes but above all with regard to quality assurance, right from the beginning, and thus make sure that we continue to offer our products at a high quality level. Products that can be found equally in heating controls, drink dispensing machines, dish washers or motor cars.

If, at STOCKO, we talk of secure connections then for this reason that in every one of our connectors an element of conviction reverberates that good connections are always a matter of trust.



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» 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.

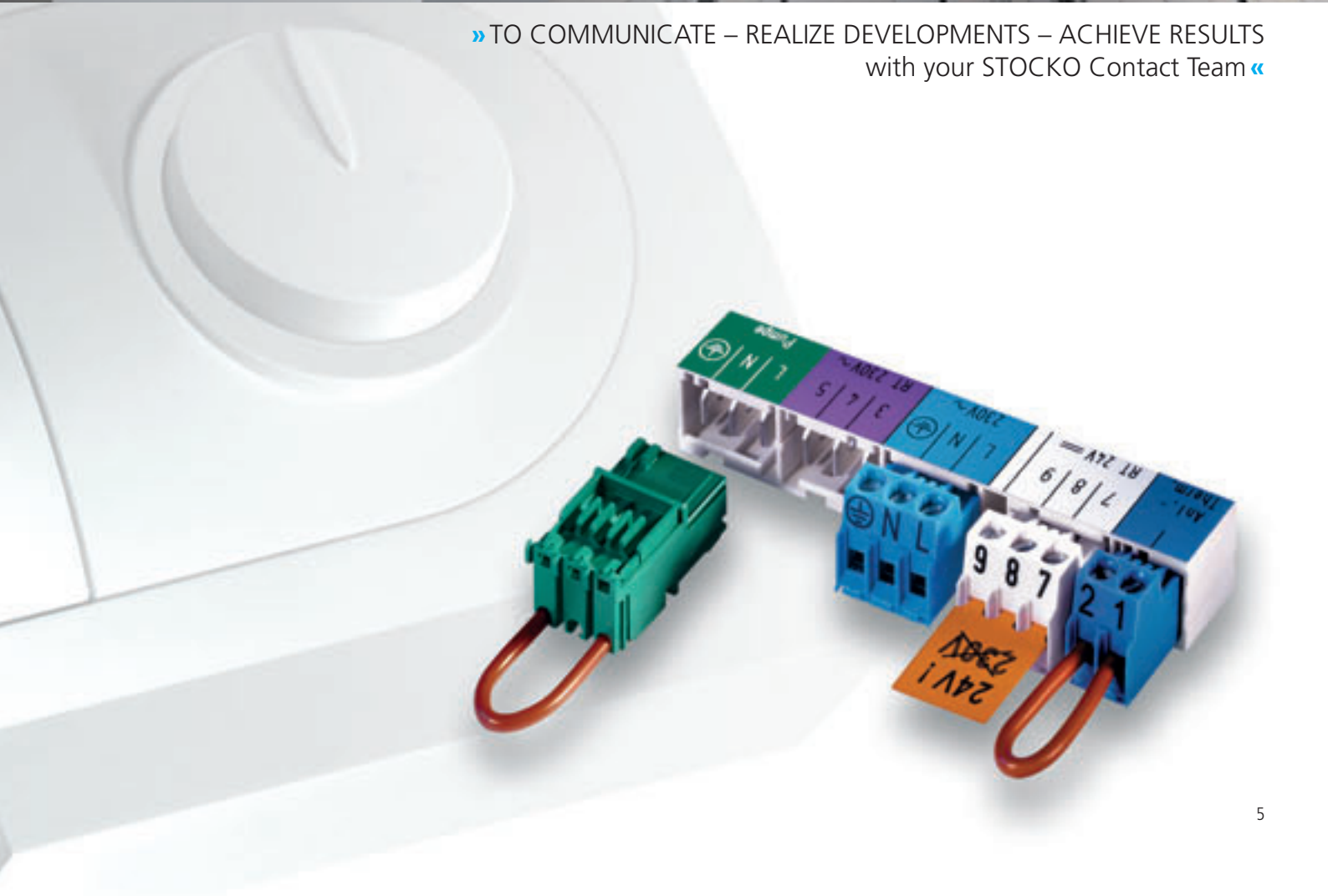
STOCKO – our name is synonymous with connector systems in crimp, screw-type and IDC form, crimp contacts and solderless terminals as well as special customer parts. Developments in the electrical and electronics industries advance at a phenomenal rate. New technologies change and create markets. This 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.



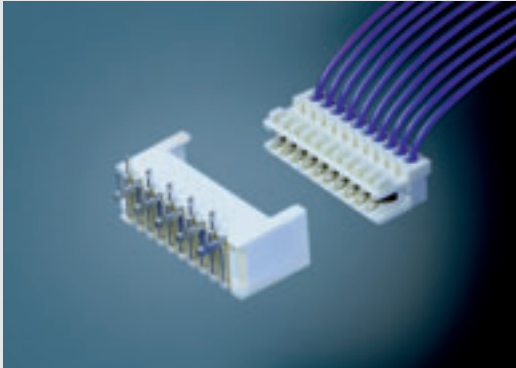


» TO COMMUNICATE – REALIZE DEVELOPMENTS – ACHIEVE RESULTS
with your STOCKO Contact Team «



ECO-TRONIC

Pitch 2.5 mm



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 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

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	0.22 / 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
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 m Ω
Air gap and creeping distances		Pitch 2.5 mm: > 1 mm
		Pitch 5 mm: > 3 mm
Creeping strength		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: NiSn
	Housing	PA, glow wire resistant, GWT 750 °C acc. to IEC 60335-1
	SMT pin connector	PPA, glow wire resistant, GWT 750 °C acc. to IEC 60335-1
	Colour of housing	natural
Polarizing	to RAST 2.5	

RFK 2

Pitch 2.5 mm



Description of system

Wire-to-Board socket connectors (WtB)

- Crimp version for indirect connections, wire range 0.07 - 0.5 mm²
- IDC version for direct and indirect connections, wire range 0.14 - 0.25 mm²
- Suitable for terminating ribbon cables and discrete wires
- Also available with extended cable support

Pin connectors

- With or without snap-in locking device, for vertical or horizontal connections
- The tandem pin connectors can be used as flying lead connection

Technical data

Mechanical	Pitch	2.5 mm
	Positions	up to 20
	Termination	IDC, crimp, soldering
	Operating temperature	-40 °C ... + 115 °C
Electrical	Rated current	5 A / 30 °C 2.5 A / 70 °C
	Insulation resistance	>10 ⁹ Ω
	Contact resistance	<10 m Ω
	Test voltage	≥ 1 kV
	Rated voltage	32 V
	Approved by	UL, VDE tested
Materials	Housing	PC, glow wire resistant, GWT 750 °C acc. to IEC 60335-1
	Contact	CuSn
	Finishing	Sn

STO-GRID

Pitch 2.54 mm



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 doublerow
- 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 m Ω	< 40 m Ω
	Air gap	1.5 mm	1.5 mm
	Creeping distances	1.8 mm	≥ 1.25 mm
	Creeping strength	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



Description of system

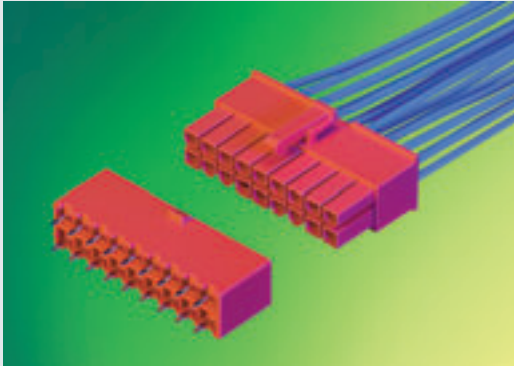
- Suitable for the connection to HVAC periphery devices, e. g. stepping/servo motors or linear actuators
- Pitch 3.5 mm
- Pluggable connector with external locking feature
- Crimped wires are from the rear insertable
- Cable exit 180°
- Remarks with or without seal
- With seal IP 44
- Clear positioning

Technical data

Mechanical	Positions	4
	Pitch	3.5 mm
	Termination	Crimp
	Temperature range	-40 °C ... +120 °C
	Wire size	0.07 - 0.5 mm ²
Electrical	Rated current	max. 5 A
	Rated voltage	250 V
	Insulation resistance	> 10 ⁹ Ω
	Contact resistance	< 10 m Ω
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	pre tin-plated, lead-free

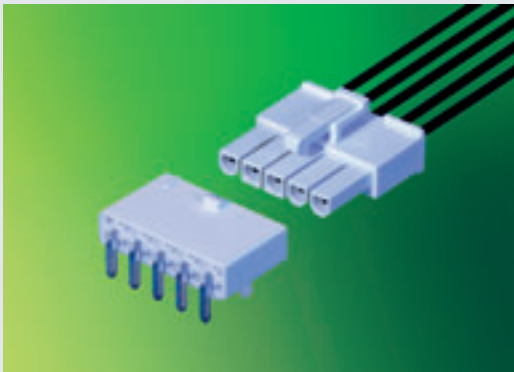
STO-FIT

Pitch 4.2 mm



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°



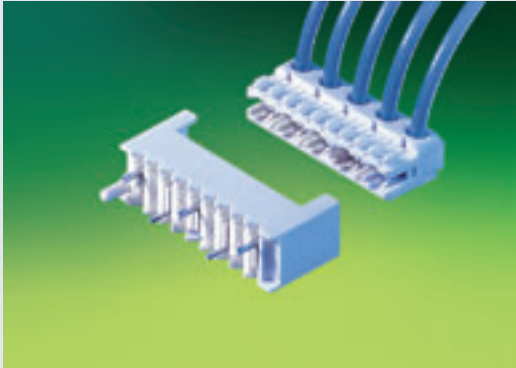
Technical data

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 0.50 - 1.00 mm ²
	Degree of pollution		II
	Temperature range		-40 °C ... + 110 °C
Electrical	Rated current		7 A
	Rated voltage		250 V
	Insulation resistance		> 10 ⁹ Ω
	Contact resistance		< 10 m Ω
	Air gap and creeping distances		≥ 3 mm
	Creeping strength		CTI ≥ 325 ¹⁾
	Surge category		II
	Insulation group		III a ¹⁾
Materials	Dielectric strength		3 kV
	Housing		PA PA, glow wire resistant, GWT 750 °C acc. to IEC 60335-1
	Colour of housing		natural, other colours on request
	Contact		CuZn
	Contact finishing		Sn

¹⁾ Depending on material

ECO-TRONIC pro

Pitch 5 mm



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 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

Pin connectors

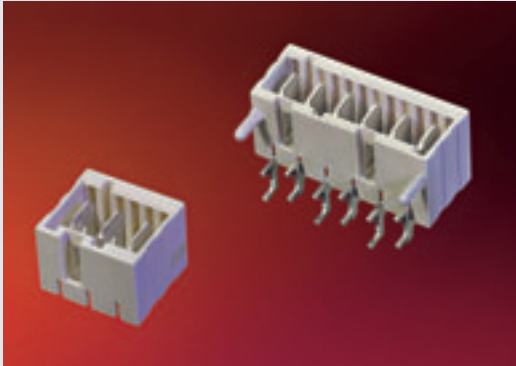
- Versions for vertical or horizontal PC board assembly

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
Rated voltage		250 V
Dielectric strength		2.8 kV
Insulation resistance		> 10 ⁹ Ω
Contact resistance		< 10 m Ω
Air gap and creeping distances		> 3.2 mm
Creeping strength		CTI ≥ 400
Approved by		DIN EN 61984 (IEC 61984) UL / ULC E96569
Materials	Contact	Socket: CuSn Cu-alloy
	Contact finishing	Pin: CuZn Socket: Sn Pin: NiSn
	Housing	PA, glow wire resistant, GWT 750 °C acc. to IEC 60335-1
	Colour of housing	natural
	Polarizing	to RAST 2.5

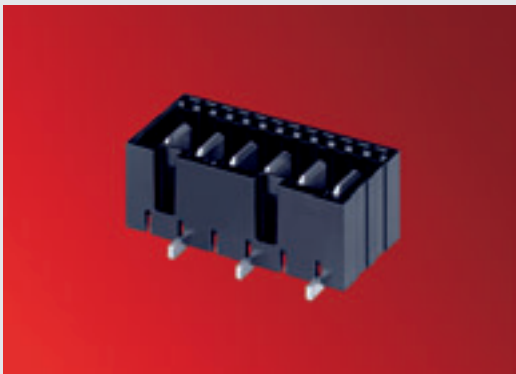
ECO-FLEX M

Pitch 5 mm



Description of system

- Tab connector with/without separating plate
- 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



Technical data

Mechanical	Pitch	5 mm
	Positions	2 - 12 2 - 6 (SMT)
	Termination	soldering
	Temperature range	-40 °C ... +120 °C
Electrical	Rated current ²⁾	16 A
	Rated voltage ²⁾	250 V
	Dielectrical strength ³⁾	2.5 kV
	Creeping strength ^{1,3)}	CTI ≥ 400
	Air gap and creeping distance	≥ 4 mm
	Insulation resistance	> 10 ⁹ Ω
	Contact resistance	< 10 m Ω
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	PPA, glow wire resistant, GWT 750 °C acc. to IEC 60335-1
	Colour of housing	natural
	Contact material	CuZn
Contact finishing	NiSn	

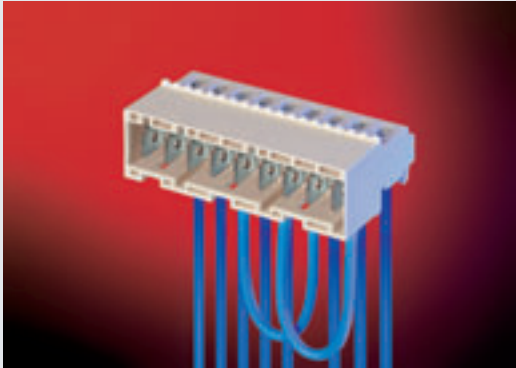
¹⁾ according to IEC 60664

²⁾ depending on mating connector and PC board in use

³⁾ depending on material

ECO-DOMO TI

Pitch 5 mm



Description of system

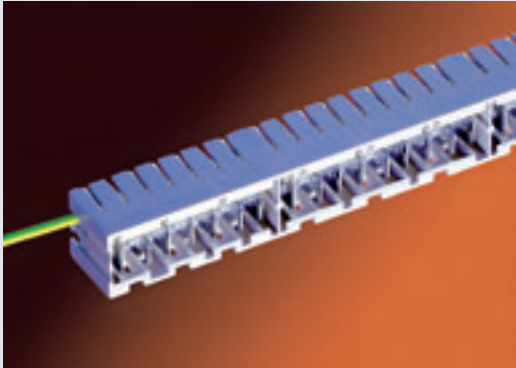
- RAST 5 Tab connector for IDC termination as flying lead coupling or for panel mounting application
- Versions with / without back panel clips
- Cable exits 90°, 180° (optional 270°)
- Single and / or twin terminations depending on wire size
- Individual positioning and coding
- Label optional

Technical data

Mechanical	Pitch	5 mm
	Positions	2 - 10
	Termination	IDC
	Wire size	0.5 / 0.75 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
	Creeping strength	CTI ≥ 400
	Air gap and creeping distance	≥ 4 mm
	Insulation resistance	> 10 ⁹ Ω
	Contact resistance	< 10 m Ω
Approved by	DIN EN 61984 (IEC 61984)	
Materials	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

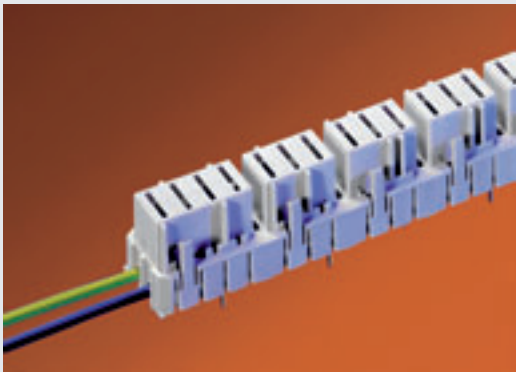
ECO-FLEX MBL

Pitch 5 mm



Description of system

- Connector system allowing individual, free contact combinations to RAST 5 - standard
 - ECO-FLEX ML Tab connector with bridging contacts
 - ECO-FLEX BL Socket connector with bridging contacts
 - ECO-FLEX MBL Connectors in tab/socket combinations 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



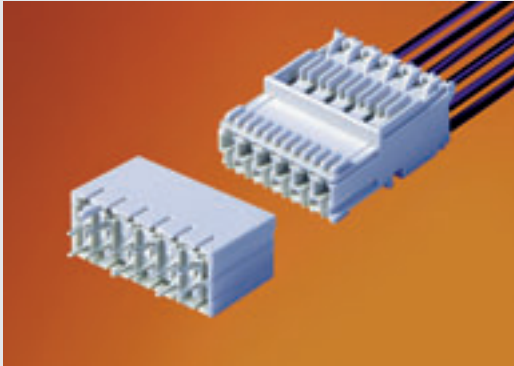
Technical data

Mechanical	Positions	2 - 30 ¹⁾	
	Pitch	5 mm	
	Termination	Soldering	
	Inserts or empty spaces	7.5 mm, 10 mm	
	Temperature range	- 40 °C ... +120 °C	
Electrical	Rated current	Tab 16 A Socket contact 10 A Bridging contact 10 A	
	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	
	Creeping strength	CTI ≥ 400	
	Approved by	DIN EN 61984 (IEC 61984) UL / ULC E96569	
	Materials	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

ECO-DOMO NF

Pitch 5 mm



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 central polarizing and polarizing pegs at sides, locking features for PCB
- Cable exit 90° and 180° according to RAST 5

Tab connectors

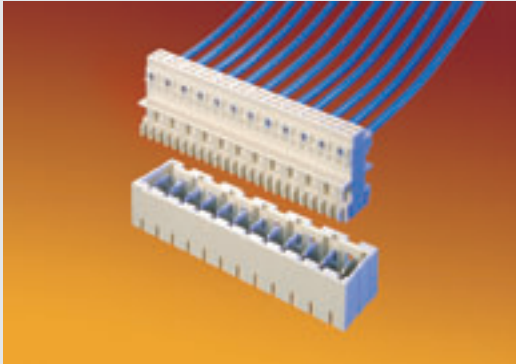
- Versions for vertical or horizontal PC board assembly

Technical data

Mechanical	Pitch		5 mm
		Positions	Direct connector Indirect connector
	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
	Type of wire		stranded
Temperature range		- 40 °C ...+ 110 °C	
Electrical	Rated current	Direct connector	6 A
		Indirect connector	16 A
	Rated voltage		250 V
	Dielectric strength		≥ 3.0 kV
	Insulation resistance		≥ 10 ⁹ Ω
	Contact resistance		≤ 5 m Ω
	Air gap		≥ 3 mm
	Creeping distance		≥ 3.6 mm
	Creeping strength		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



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
- Meeting RoHS requirements
- 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 - 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
	Creeping strength	> 400 CTI
Approved by	DIN EN 61984 (IEC 61984)	
Materials	Contact	Socket: Cu-alloy
	Contact finishing	Socket: Sn
	Housing	PA, glow wire resistant, GWT 750 °C acc. to IEC 60335-1 natural
	Colour of housing	natural
	Polarizing	according to RAST 5

WIECON 8105

Pitch 5 mm



Description of system

- LP connectors in screw-type technology with locking feature inside to RAST 5
- Variants of polarizing features available
- Housings fully dyed available in range of colours
- 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

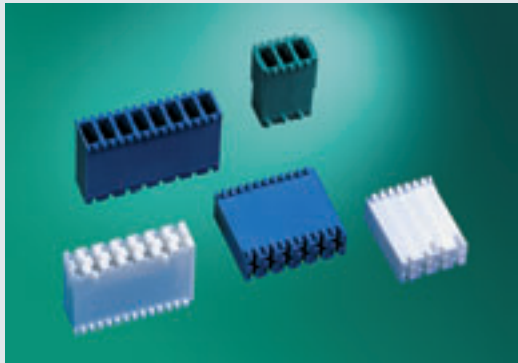


Technical data

Mechanical	Positions	3 - 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 Ω
	Contact resistance	< 10 m Ω
	Air gap	≥ 3 mm
	Creeping distances	≥ 4 mm
	Creeping strength	CTI ≥ 325
Approved by	DIN EN 61984 (IEC 61984) UL / ULC E90664	
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

RAST 5 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°

Tab connector ECO-DOMO PM

- For flying lead or panel mounting



EH 699

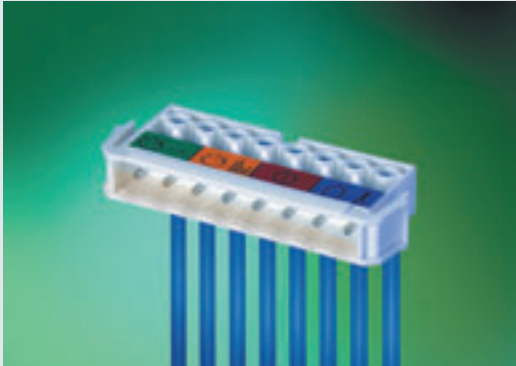


Technical data

Mechanical	Pitch		5 mm	
	Positions	EH 699	2 - 5	
		EH 688	2 - 8	
		ED PM	2 - 10	
	Locking features		inside	
			6.3 FSH	
	Termination		Crimp technology	
Wire size		0.5 - 1.5 mm ²		
Insulation-Ø		max. 3.3 mm		
Temperature range		-40 °C ... +120 °C		
Electrical	Rated current		16 A	
	Rated voltage		250 / 400 V	
	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	ECO-DOMO PM	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	

STO-CON 508

Pitch 5.08 mm



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 connector Wiecon LP-Socket connector



Technical data

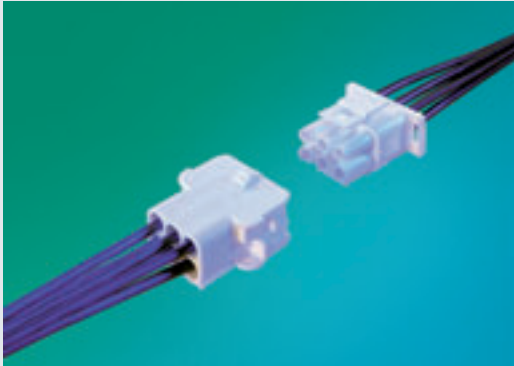
Mechanical	Positions	2 - 13
	Pitch	5.08 mm
	Termination	Crimp
	Wire size	0.35 - 0.5 mm ²
	Temperature range	-40 °C ... +110 °C
Electrical	Rated current / Contact	max. 6 A
	Rated voltage	250 V
	Dielectrical strength	≥ 2.5 kV
	Insulation resistance	> 10 ⁹ Ω
	Contact resistance	< 10 mΩ
	Air gap	≥ 4 mm
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

STO-LOCK

Pitch 6.35 mm



VDE tested



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	
		0.75 - 2.03 mm ²	
	Locking feature	yes	
Degree of pollution	2		
Temperature range	-40 °C...+ 110 / + 120 °C ¹⁾		
Electrical	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	
	Creeping strength	CTI 600 / ≥ 300 ¹⁾	
	Surge category	II	
	Insulation group	I / III a ¹⁾	
	Approved by	UL E306640	
	VDE tested		
Materials	Contact	CuZn, CuSn	
	Contact finishing	tin plated	
	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

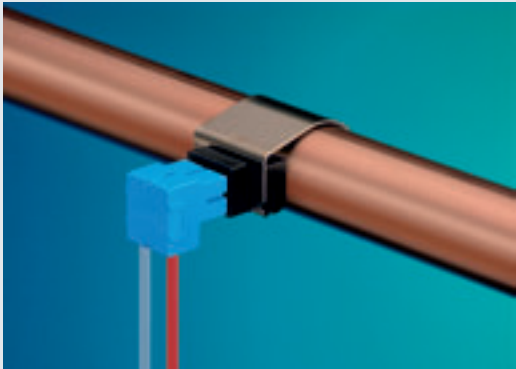
Pitch 6.5 mm



Description

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

Technical data



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
	Overtoltage category	III
	Test voltage	1.39 kV / 60 s
	Dielectric strength at housing material	5 kV
	Insulation group	III a
	Degree of pollution	3
	Creeping strength	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, lead-free
	Housing	PA, glow wire resistant, GWT 750 °C acc. to IEC 60335-1
	Colour of housing	Different colours

Circular Connector

MH 2490 / MV 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
Elektrical	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
	Creeping strength	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	unplated or pre tinned

Crimp Contacts 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
- End sleeves
- Terminating technology:
Cable stripper, hand tools, electrical and hydraulic crimping tools

» References / Applications «

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Ref. Nr. S0102072
Printed in Germany 1 / 11

