

PRODUCT RANGE FOR THE HVAC INDUSTRY

- CONNECTOR SYSTEMS
- CRIMP CONTACTS
- SOLDERLESS TERMINALS
- CUSTOMERS' SPECIAL PRODUCTS





ASSURED QUALITY

CERTIFIED INTEGRATED MANAGEMENT SYSTEMS

- Certified according to

ISO 9001
ISO 14001
IATF 16949

- Certified according to

ISO 50001
STOCKO CONTACT Germany

STOCKO CONTACT Germany, France





COMPANY PROFILE

OUR MARKETS

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

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

FACTORIES

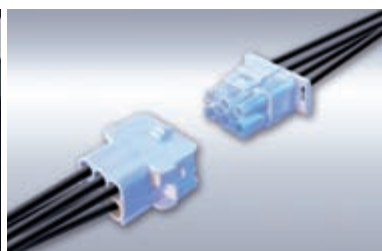
- Wuppertal / Germany
- Hellenthal / Germany
- Andlau / France
- Sokolov / Czech Republic
- Shanghai / China

FOUNDED

- 1901 in Wuppertal

EMPLOYEES WORLD-WIDE

- 700



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

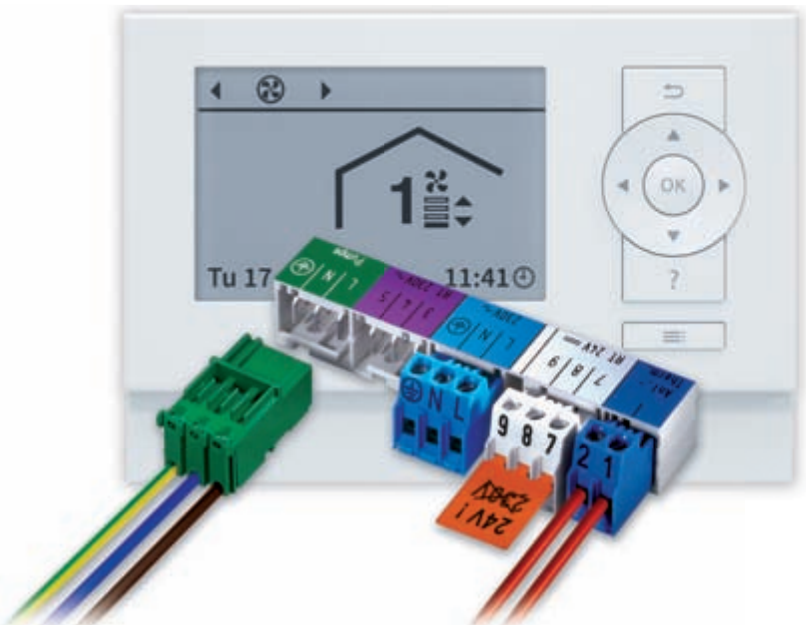


SECURE CONNECTIONS. WORLD-WIDE.

This is at the heart of our company philosophy.

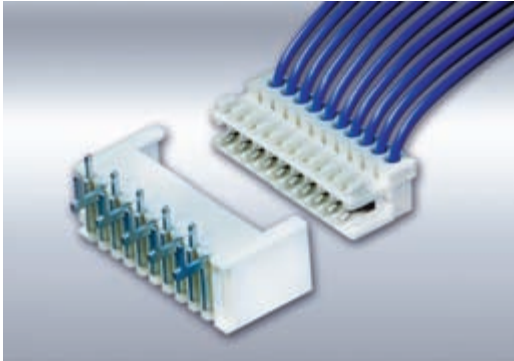
Good electrical connections are our business for more than one hundred years. STOCKO – our name is synonymous with connector systems in crimp, screw-type and IDC form, crimp contacts and solderless terminals as well as special customer parts. Developments in the electrical and electronics industries 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

		Serie	ECO-FLEX M	ECO-FLEX ML	ECO-DOMO TI
IDC housings ▽		Pin connectors ▷			
Seite			15	17	16
14	ECO-DOMO NF 		•	•	•
16	ECO-DOMO TI 				
18	Wiecon 8105 ^B 		•	•	•
18	Wiecon 8105 ^{FU} VR or VL 				
20	ECO-DOMO CRIMP EH 688 		•	•	•
20	ECO-DOMO CRIMP EH 699 		•	•	•
20	ECO-DOMO CRIMP EH 788 				



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
- 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

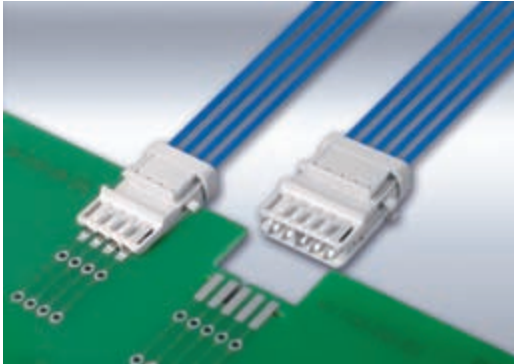
- In vertical and horizontal versions facilitate 90° and 180° cable angles
- SMT version for vertical PC board assembly

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	0.12-0.14mm 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 m Ω
	Air gap and creeping distances	Pitch 2.5 mm: > 1 mm
		Pitch 5 mm: > 3 mm
Creeping strength	CTI ≥ 400	
Approved IDC connector	UL / ULC E96569	
	DIN EN 61984 (IEC 61984) according to - LV 214: 2010-03 - USCAR-2	
Approved pin connectors	UL / ULC E96569	
	DIN EN 61984 (IEC 61984)	
Materials	Contact	Socket: CuSn, Cu-alloy / Pin: CuZn
	Contact finishing	Socket: Sn, NiAu / Pin: Sn
	Housing	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
	Polarizing	to RAST 2.5



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 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
- Primary and secondary lock

Pin connectors

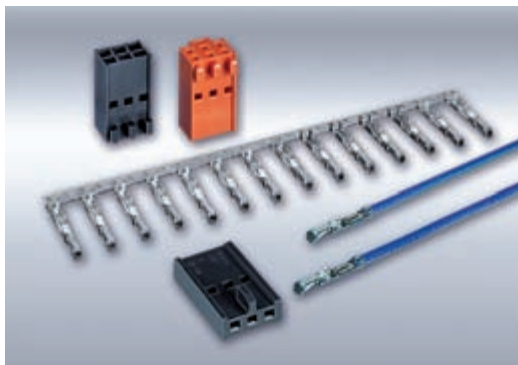
- In vertical and horizontal versions facilitate 90° and 180° cable angles
- SMT version for vertical PC board assembly

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
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
Creeping strength		CTI ≥ 400
Approved crimp connector		DIN EN 61984 (IEC 61984) according to - VW 60330 - LV 214: 2010-03 - USCAR-2
Approved pin connectors	UL / ULC E96569 DIN EN 61984 (IEC 61984)	
Materials	Contact Socket:	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



MH 780 / MH 790 with RVB 8231.001



MS 7730

DESCRIPTION OF SYSTEM

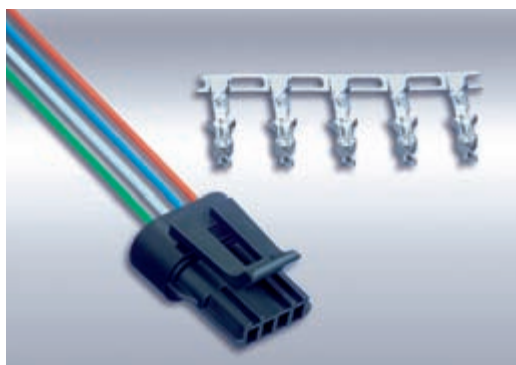
- Suitable for the connection to HVAC periphery devices, e. g. stepping/servo motors or linear actuators
- Housing variants
 - In-line 3-positions or
 - dual-line 6-positions
- Three different coding variants
- Cable exit 180°

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



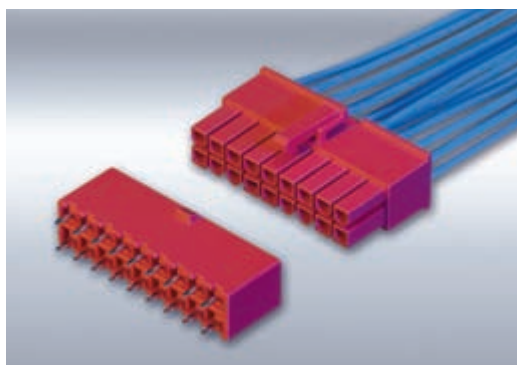
MH 9850 with RFB 7808

DESCRIPTION OF SYSTEM

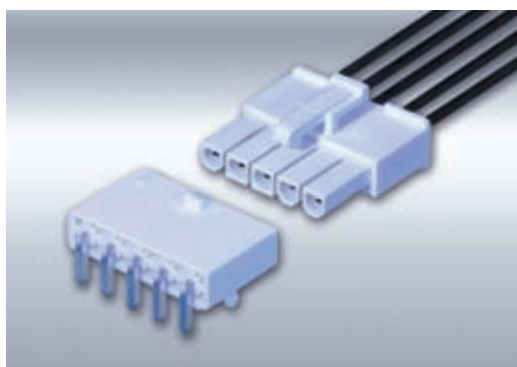
- Suitable for the connection to HVAC periphery devices, e. g. stepping/servo motors or linear actuators
- Pitch 3.5 mm
- Pluggable connector with external locking feature
- Crimped wires are from the rear insertable
- Cable exit 180°
- Remarks with or without seal
- With seal IP 44
- Clear positioning

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 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	Sn



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
	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*
	Surge category		II
	Insulation group		III a*
	Dielectric strength		3 kV
	Approved by		UL / ULC E96569
Materials	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

* Depending on material



MS 7230 with MF 7260

DESCRIPTION OF SYSTEM

IDC housings

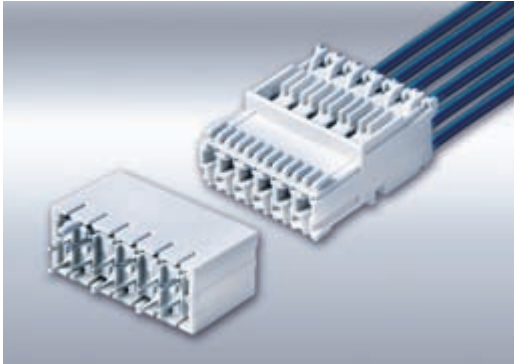
- Direct and indirect connectors with IDC termination in according to the RAST 2.5 standard specification for domestic appliances
- Trimming polarizing pegs to individual requirements produces a large number of clearly defined connector combinations
- With direct edge versions, polarizing and locking 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
	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



MS 9401 with MF 9561

DESCRIPTION OF SYSTEM

IDC housings

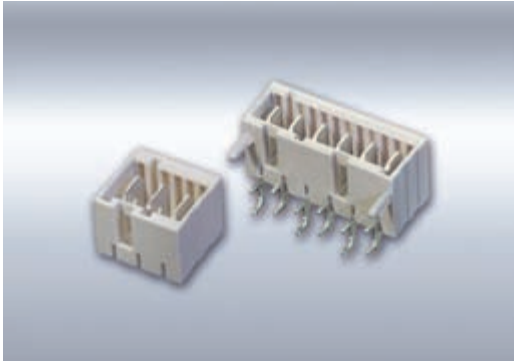
- Direct and indirect connector with IDC termination in accordance with the RAST 5 standard specifications for domestic appliances, with locking features inside or outside
- Direct connector with central polarizing and polarizing pegs at sides, locking features for PCB
- Cable exit 90° and 180° according to RAST 5

Tab connectors

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

TECHNICAL DATA

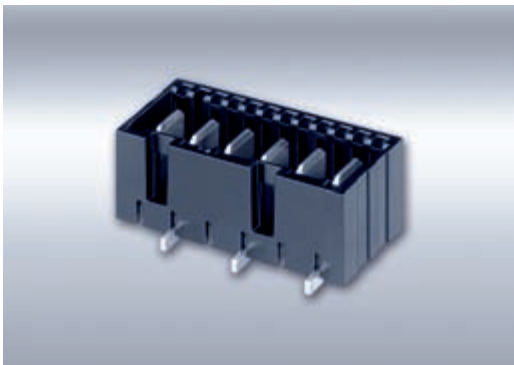
Mechanical	Pitch		5 mm
	Positions	Direct connector	2 - 12
		Indirect connector	1 - 12
	Locking features	Direct connector	PCB
		Indirect connector	inside and outside
	Termination		IDC
	Wire size	Direct connector	0.5 - 0.75 mm ²
		Indirect connector	0.35 - 1.5 mm ²
	Insulation diameter		3.0 mm
	Cable exit 180°		max. ≤ 2.4 mm
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



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
	Temperature range	-40 °C ... +120 °C
Electrical	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	NiSn

¹⁾ according to IEC 60664

²⁾ depending on mating connector and PC board in use

³⁾ depending on material



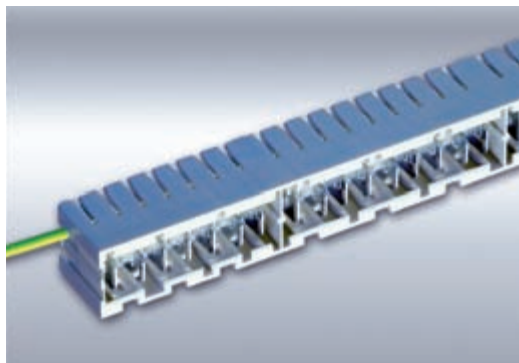
MS 9460

DESCRIPTION OF SYSTEM

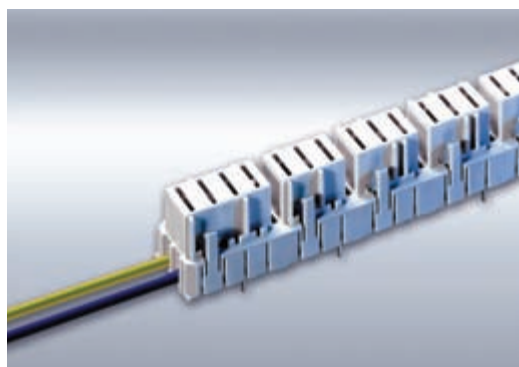
- Tab connector for IDC termination as flying lead coupling or for panel mounting application
- Versions with / without back panel clips
- Cable exits 90°, 180° (optional 270°)
- Single and / or twin terminations depending on wire size
- Codings in accordance with the RAST 5 standard specifications for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

TECHNICAL DATA

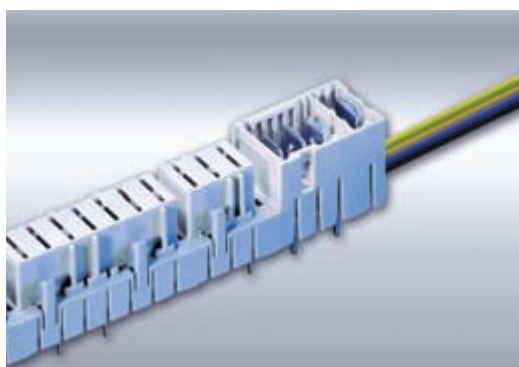
Mechanical	Pitch	5 mm
	Positions	2 - 10
	Termination	IDC
	Wire size	0.5 - 0.75 mm ² / 0.5 + 0.5 mm ²
	Insulation diameter	2.3 mm
	Type of wire	stranded wire
	Temperature range	- 40 °C ...+ 110 °C
Electrical	Rated current	10 A
	Rated voltage	250 V
	Dielectrical strength	2,5 kV
	Creeping strength	CTI ≥ 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



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

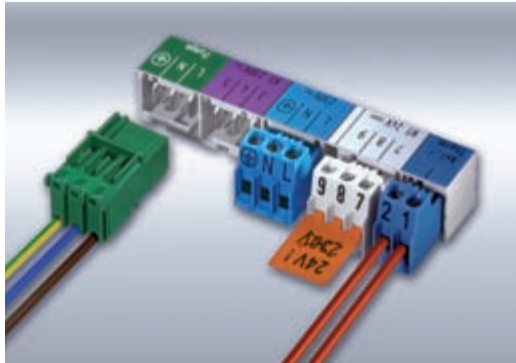
TECHNICAL DATA

Mechanical	Positions	2 - 30 ¹⁾
	Pitch	5 mm
	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
	Tracking resistance	CTI ≥ 400
	Approved by	DIN EN 61984 (IEC 61984) UL / ULC E96569 only series MS 941x
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



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



MS 9412 loaded with RAST 5 PCB connectors



Wiecon 8105 B *



Wiecon 8105 FU *

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

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
Colour of housing		various colors
Contact Contact finishing		STOL 78 / CuZn Sn

* 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



MS 9450

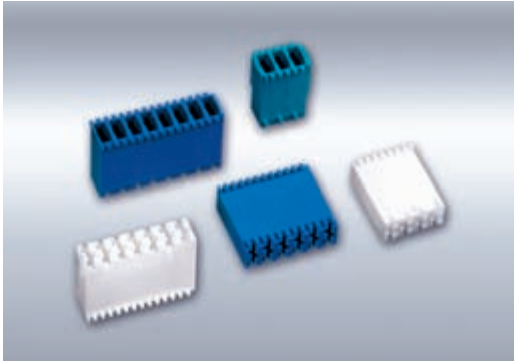
DESCRIPTION OF SYSTEM

Tab connector

- 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
	Contacts	CuZn, Sn



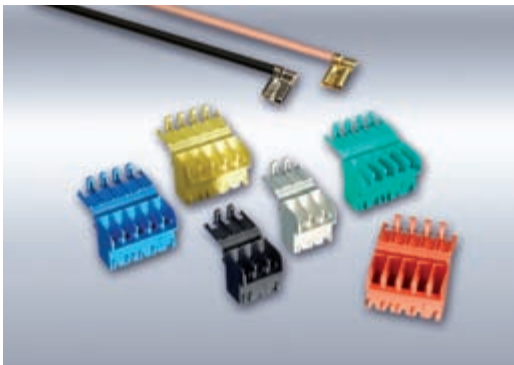
EH 688



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°

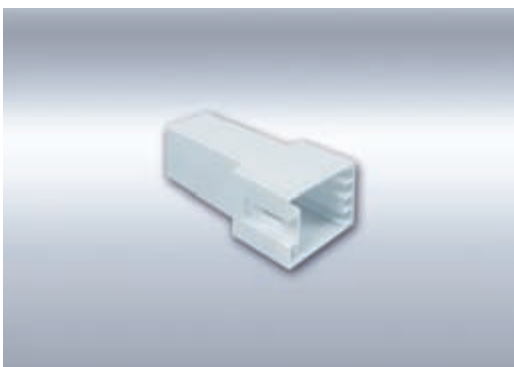


EH 699



TECHNICAL DATA

Mechanical	Pitch		5 mm
	Positions	EH 699	2 - 8
		EH 688	1 - 8
		EH 788	2 - 6
	Locking features	EH 688 / EH 699	inside
			6.3 FSH
	Termination		Crimp technology
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)	



EH 788 Housing for tab 6.3 mm RMB 7831.010

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	
EH 788			UL E306845	
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	



MA 9510

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



MA 9508

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



Wiecon 8213 B *



VDE tested



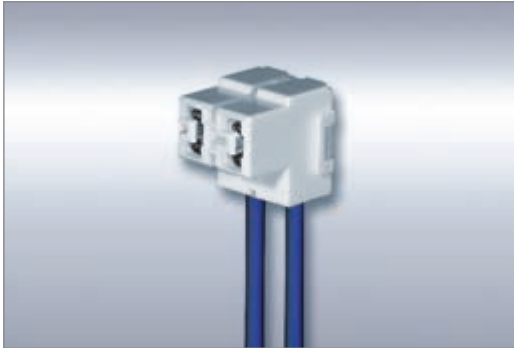
DESCRIPTION OF SYSTEM

- Universal connector system for white goods, industrial electronics and commercial building equipment appliances.
- Application as flying lead assemblies, panel mounting and for PCB connections.
- v2 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 / AWG 18-14	
	Locking feature	yes	
Degree of pollution	2		
Temperature range	-40 °C ... +110 / +120 °C *		
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 *	
	Surge category	II	
	Insulation group	I / III a *	
	Approved by	UL E306640 and UL/ULC E96569 VDE tested	
Materials	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	

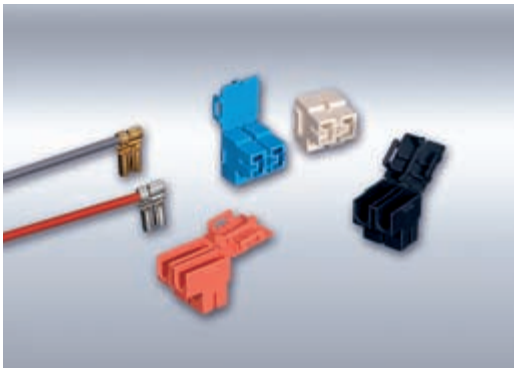
* Depending on material



MH 2480

DESCRIPTION OF SYSTEM

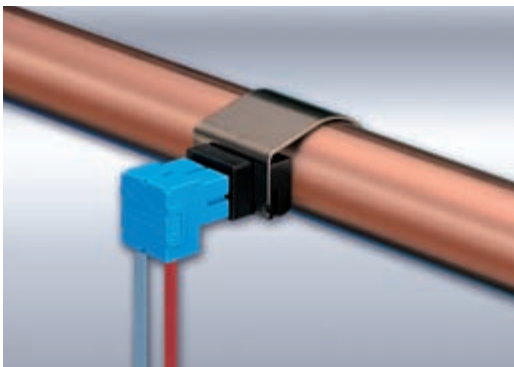
- 2-pole sensor plug
- Pitch 6.5 mm
- Loadable with flag receptacles 4.8 mm RSB 8186
- Cable exit 90°
- Locking cap
- Different colours



MH 2480 with RSB 8186

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
	Mechanical	Rated current
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
Creeping strength		CTI ≥ 325
Air gap		≥ 1.5 mm
Creeping distances		≥ 2.5 mm
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 colours



MH 2480 at temperatur sensor



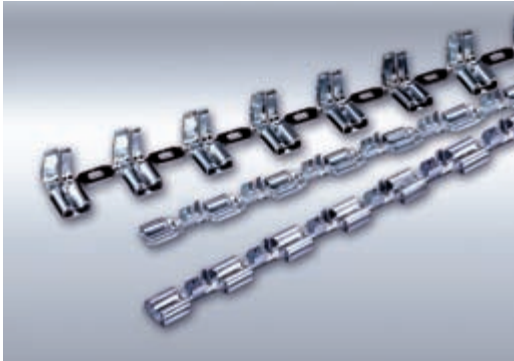
MV 2490 with MH 2490

DESCRIPTION OF SYSTEM

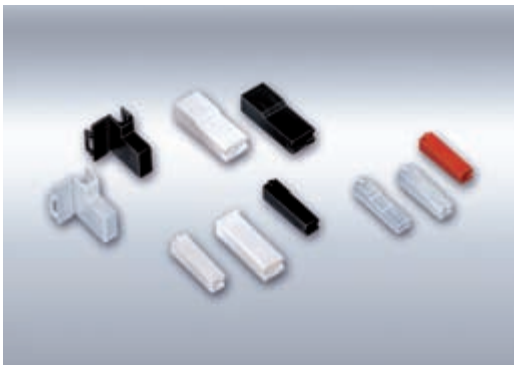
- 1 to 4 poles circular connector
- Round contacts for crimp termination
- Sealed according to IP44
- Two-sided external locking latches
- Possibility of coding
- Single or hose cable
- Cable exit 180°
- Clamping possibility for lateral plate cut out
- Housing rip

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
	Panel thickness	0.8 mm
Elektrical	Rated current	16 A
	Rated voltage	250 V
	Dielectric 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	Sn



Receptacles



Housings

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 with and without insulation
- Pin terminals
- Parallel splices
- Butt splices
- Tabs
- Terminating technology:
Cable stripper, hand tools, electrical and hydraulic crimping tools

Solderless terminals





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 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.

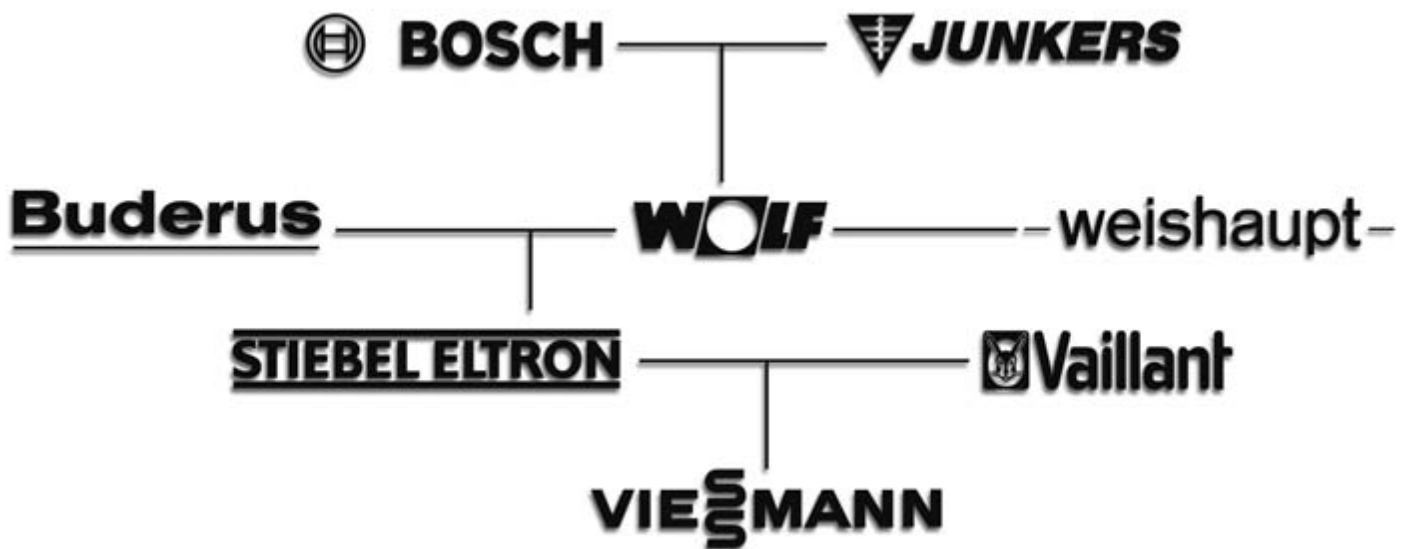
Service and close proximity with our customers has always been a top priority and form an integral part of the STOCKO philosophy.

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.



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



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