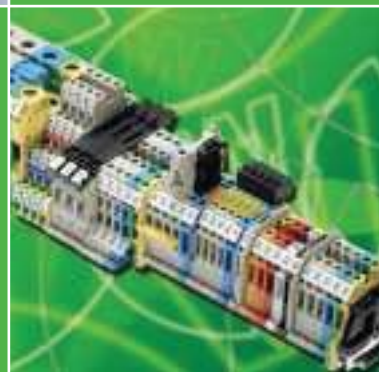




selos

**DIN Rail Terminal Blocks
with Screw Connection**

Professional Screw Technology





▲ Sales and Marketing Center in Bamberg



▲ Photo of the Bamberg headquarters



▲ STOCKO headquarters in Wuppertal



wieland group

automation

building

electronics

ACTIVE WORLDWIDE

With its staff of almost 2,200 employees, the Wieland Group is at home on all continents.

Subsidiaries in Great Britain, France, Spain, Italy, Poland, Canada, the USA, China and Denmark speak for themselves. With a great number of representatives, Wieland Holding is active in almost all strategically important countries. Just a medium-size global player with a clear commitment to the German location where most of the products are still manufactured.






















































One company group, a thousand opportunities














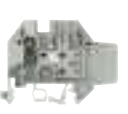
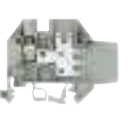


































The philosophy of the Wieland Group with its headquarters in Bamberg can be summarized that simply. The independent subsidiaries, Wieland Electric and STOCKO Contact, are active beneath Wieland Holding.

Together they cover an extraordinarily wide product portfolio in the field of electrical engineering and electronics. It comprises control cabinet engineering, industrial multipole connectors as well as overvoltage technology and building system technology.

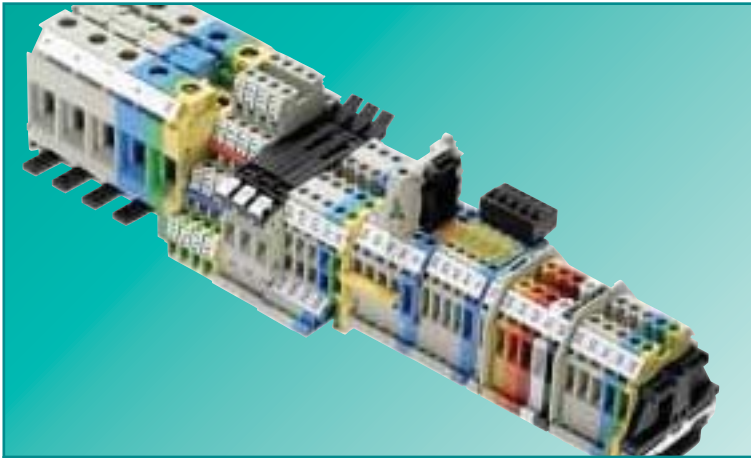
Wieland Electric is active in most areas of automation technology and delivers as the industry's driver for innovation. Safety first – Wieland Electric is ideally positioned with its modular system solutions such as

DIN rail terminal blocks with screw connection

 WK 2,5/U	 WK 4/U	 WK 6/U	 WKN 10/U	 WKN 16/U
 WKN 35/U	 WKN 70/U	 WKN 130/U		
 WKN 4 ETK/U	 WKN 10 ETK/U	 WKN 16 ETK/U		WAK 16/2 BLAU, WAK 35/2 BLAU, WAK 35/2
 WK 2,5 SL/35	 WK 4 SL/U	 WK 6 SL/U	 WKN 10 SL/U	 WKN 16 SL/U
 WKN 35 SL/U	 WKN 70 SL/U	 9700 A/35 E S 35	 9700 A/70 E S 35	 Supply set
 WK 4/D/1/2/U	 WK 4/D/2/2/U	 WK 4/D E/U	 WK 4/D/2/2SL/U	
 WK 4 E/U	 WK 4 E/U/VB	 WK 4 E SL/U	 WK 4 E/U	 WK 4 E/rot
 WKN 2,5 E/U	 WKN 2,5 E/U/VB			
 WK 2,5-4 KI/U	 WK 2,5-3 D/U	 WK 2,5-4 KI/SL	 WK 2,5-3 D/SL	
 WK 2,5-4 KOI/U	 WK 2,5-4 KOI/U-NGN	 WK 2,5-4 KOI/U-PGN		
 WK 4 TKG... THSI 5x20	 WK 4 TKG... THSI 6,3x32	 WK 4/TKM	 WK 4 TKG-TRST/U	 WK 4 TKS D/U
 WK 4 TKG... SIST	 WK 4 TKG... DIST	 WK 4/SI-D/U 5 x 25		
 WK 4 THSI 5.../U	 WK 4 THSI 6,3.../U	 WK 10/SI.../U	 WK 10/SI/U with indicator	 WK 10/SI/U D

 9700 B/30 Si E 14/S 35	 9700 B/30 Si E 18/S 35			
 9786 U/...	 9785 U/... - SPT	 9786 U/TSK...	 9760 U/8 TKE...	
 WK 2,5 U/D/8113 S/V	 WK 2,5 U/8113 S/V	 WK 2,5 U/D/8113 S/H	 Typ 8113 B/..., 8313 B/...	 Typ 8113 B/... VR
 WK 4 3-6 S 1 K/U	 WK 4 5 S 2,8 1 K/U	 WK 4-3-6 S 1 K/IW/U	 WK 4-5 S 2,8 1 K/IW/U	 WK/5-10 S/U
 WK/3-6 S/IW/U	 WK/3-6 S/U	 WK/4-8 S/IW/U	 WK/4-8 S/U	 WK/3-6 S KO/U
		 WKN 6 TK	 WKN 6 TK SF	
		 WK6 TK/35	 WK6 TK P3/35	
 WKN 6 SF	 WKN 10 SF	 WRT 6	 WRT 6 TK	
		 BK M .../35		
 RFK 1/95... S35	 RFK 1/150... S35	 RFK 1/185... S35	 RFK 1/240... S35	
 WKM 2,5/15	 WKM 4/15	 WKM 4 SL/15	 WKM 2,5 F1/15	 WKM 2,5 F2/15
 Cross connectors	 Cover strips with warning symbol	 Test plug/Short-circuit plug	 Screw driver	 TS 35 x 15
 End clamp for TS 35	 Configuration software	 Plotter system <i>wieplot</i> 500	 Marking material	 Pressing tool

DIN rail terminal blocks with screw connection



Wieland Electric offers you selos WKN – a complete assortment of DIN rail terminal blocks with screw connection technology.

The portfolio includes feed through and ground blocks with 2, 3 or 4-wire connection points, multi-tier blocks in two and three-tier design, knife edge disconnect blocks and fuse blocks. In addition, function blocks are available with a wide variety of diode circuits as well as diverse, special application – specific blocks (e.g., measuring converter disconnect blocks or compensating terminals).

selos is designed for use in mechanical and plant engineering as well as in explosion-protected areas.

Technical data as per EN 60947-7:

Rated cross section:	2.5 mm ² - 240 mm ²
Rated current:	Up to 415 A
Rated voltage:	800 / 500 V



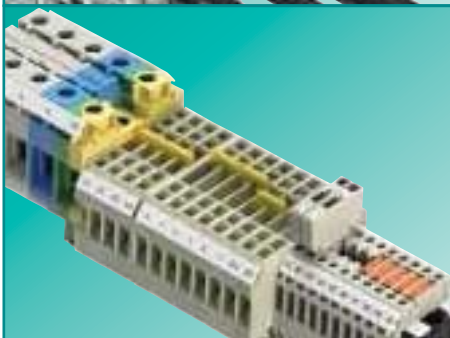
Classical connection

- Globally recognized, proven and self-explanatory connection technology
- Space-saving, compact design with side wire entry
- Reliable and maintenance-friendly electrical connection
- with maximum contact strength



Universal use

- Flexible connection of different wire sizes via large connection capability of the clamping points
- Simple expansion or potential distribution via multi-wire connection
- Connection of fine-wire conductors with ferrules up to the rated cross section
- Low feed-through resistance due to large contact surface and good contact strength



Many uses

- DIN rail terminal block solutions for all conventional circuiting jobs and functions
- Special blocks for branch-specific applications
- Extensive accessories for function expansion
- Global, national and branch-specific approvals for use around the world



Clear marking

- Clearly legible marking tags even after wires are connected
- Unmistakable wire-termination point assignment during wiring
- Simplified trouble-shooting in case of maintenance
- Individual marking with the **wiemarc** marking system



Screw connection technology

Rising cage connection with elastic clamping body

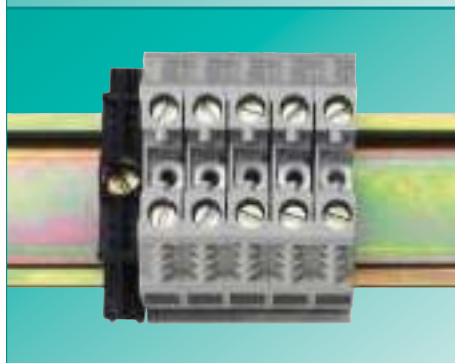
- Maximum possible stable contact strength regardless of cross section
- Functional dependability – no damage to the screw's threading even after screws are tightened and loosened several times
- Gas-proof electrical connection in accordance with approvals.



Universal foot

Universal usability on conventional types of mounting rails

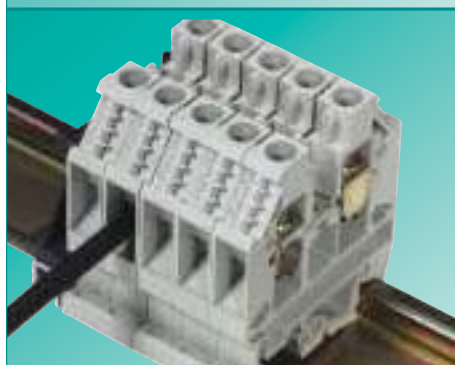
- Assembly foot for TS 35 and TS 32 as per DIN 60715
- Seat centered to mounting rail
- Functional and mounting dependability due to asymmetrical design of the clamping foot. Incorrectly mounted blocks are detected immediately.



Guide ducts

Enclosed guide ducts for screwdrivers

- When power screwdrivers are used, the screwdriver duct prevents the blade from slipping off.
- When clamping screws are completely screwed out, the integrated screw brake ensures that they are not lost even during over head work.



Wire entry guide

Correct and quick wiring

- User-friendliness and speed provided by the wire guide during connection
- Multi-stranded and fine-stranded wires can also be easily inserted in the terminal without ferrules.
- The connection space is open on delivery.

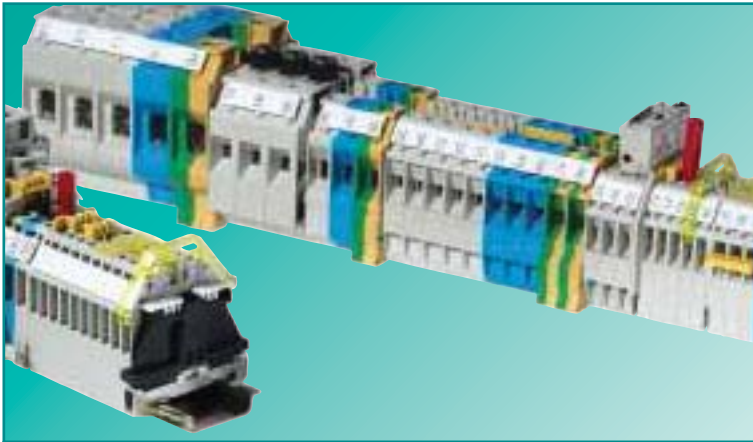


Materials

Selection of high-quality materials

- Special alloys offer low feed through resistance and ensure a gas-proof contact area:
 - Current rail: copper or brass
 - Clamping bodies and clamping screws: Zinc-plated and chromated steel
- Polyamide has excellent electrical, chemical and mechanical properties:
 - Temperature resistant: Up to 120°C
 - Creepage resistance: CTI 600
 - Flammability class: UL94-V0, self-extinguishing

DIN rail terminal blocks with screw connection



Marking system

Accessories for *selos*

We offer an extensive assortment of a wide variety of accessories to go with our ***selos*** screw terminal block program so that you can individually adjust Wieland DIN rail blocks to your applications.

This includes, among others, the reliable Wieland standard marking system as it is also used by our other product lines, and a complete program of cross connectors as cross connectors or combs in insulated or uninsulated design.

Various test accessories are also a standard part of the Wieland program as are connection plates, partitions, and special extra covers with warning symbol.



Cross connectors

All blocks clearly marked

- Large selection of marking tags with the spacing of the block
- Clearly legible marking tags even after wires are connected
- Individual marking with the ***wiemarc*** and ***wieplot*** marking systems



Jumper combs

Jumpering all blocks with load-carrying capacity

- High current-carrying ability with nominal current of the rated cross section
- Available from 2 to 12-pin. Larger numbers of pins via ready made goods.
- End plates, partitions or partition plates must be used for cross connectors so that the rated voltage is maintained.
- Displaced assembly is required for blocks with different potentials.



End plate/partition

Additional jumpering option

- Jumper combs are introduced with the wire into the connection space.
- Jump combs are available in touch-proof design in accordance with BGV A2.
- When jumper combs are used, the connection cross section is reduced by one stage.
- Available from 2 to 12-pins. Larger numbers of pins via ready made goods.

Insulation of potentials

- Optical separation of individual block groups
- Adherence to air and creepage distances for cross connectors mounted next to each other
- For safety reasons partitions are constructed so that they can only be removed when the adjacent DIN rail block is also removed.



Covers

Marking potentials under voltage

- Safety due to reference to network voltage
- For snapping onto blocks which are still under voltage even though the main switch was switched off.
- Marking of the network power input
- Available as single cover or as strip



Test sockets and plugs

Checking the potentials

- Test sockets are mounted in the middle threading of the DIN rail block.
- Test plugs in 2, 3 or 4 mm design
- Short circuit plugs



Modular test adapters

Testing and commissioning terminal block assemblies

- Test with full wiring on fabricated DIN rail blocks
- Function test with modular test adapter by direct pickup from the current rail of the block
- Test adapters with locking lever can be snapped in with any number of pins.



Connection link

Connecting potentials so that they can be separated

- Easy-to-separate 2-pin cross connection
- Mounting in the middle threading of the DIN rail block



Partition plates

Insulating potentials

- To maintain the full rated voltage when cross connectors are used
- Later snap-in possible
- Marking option with the Wieland standard marking system

Configuration software for DIN rail terminal blocks, *wieplan*



wieplan was developed to provide you with a powerful software tool for the configuration of terminal block assemblies using Wieland DIN rail terminal blocks.

wieplan is available in 4 languages. It is user-friendly and its intuitive user interface guides you step by step through the entire configuration process. After completion you can optionally order your configured terminal block assembly from Wieland for complete pre-assembly.

Thus **wieplan** helps you to save time and money.



Managing projects

Benefits:

- To begin each configuration you automatically start from the basic project management menu.
- You create new projects and are reliably guided through the easy and practice-oriented program logics.
- You always have the choice of either opening an already existing project or of creating a new one.



Configuring terminal block assemblies without errors

Benefits:

- You work with high-quality graphs viewing the terminal blocks from the top; the accessories added are visible at any time.
- You continually use the plausibility check that reminds you of the accessories required such as end plates.
- You are provided with a product catalog with search function; you can add your own order numbers, if required; and you can create libraries for self-defined products.



Entering order data

Benefits:

- You enter your data such as invoice and delivery address in the order data screen only once and can use this information for any follow-up orders.
- You may order by e-mail; in this case the terminal block assembly data are zipped automatically.

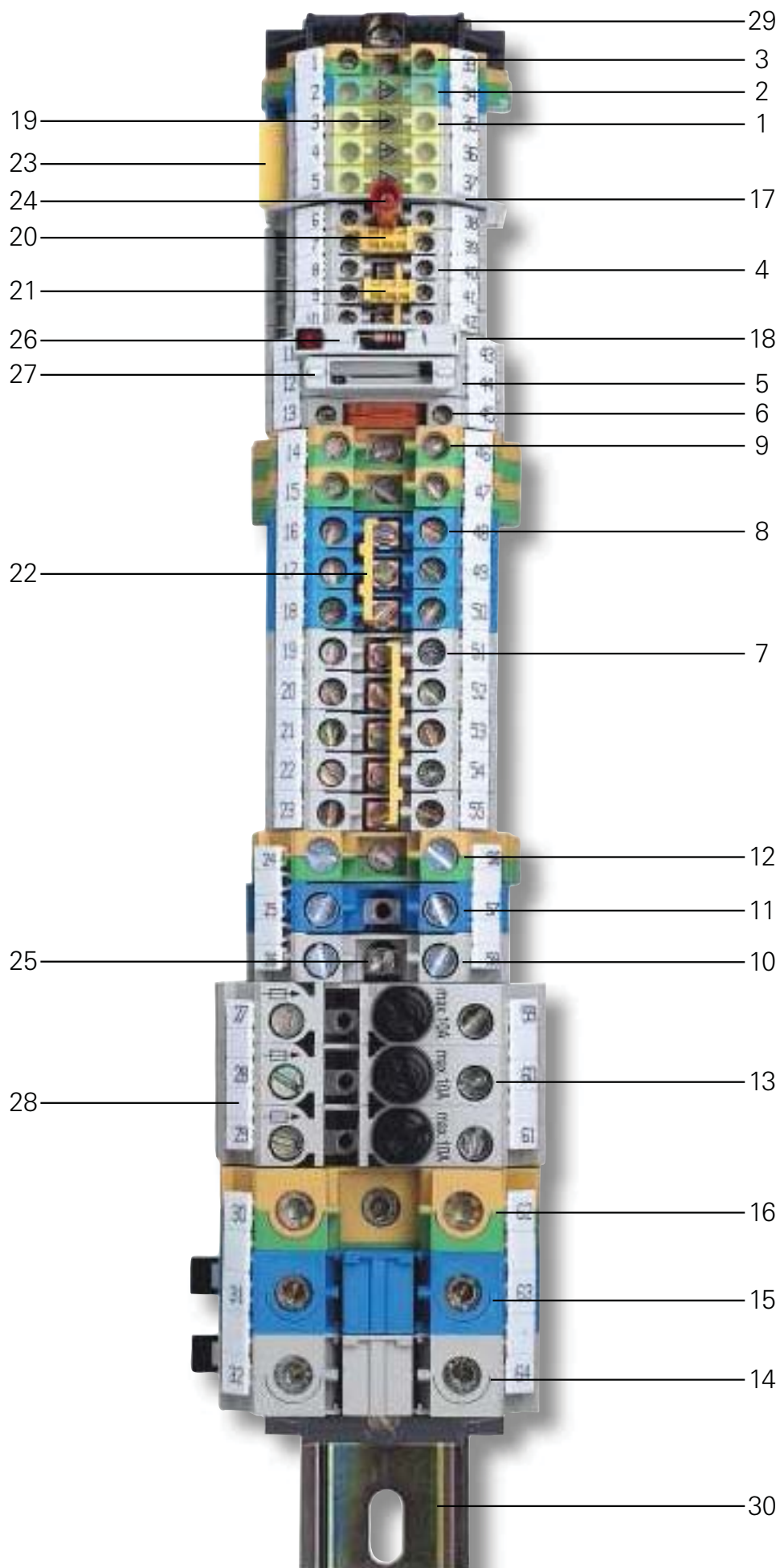


Terminal block assembly output

Benefits:

- You print out the order, the parts list and the drawing data, and, if required, your own order numbers.
- You create a DXF file and export the current terminal block assembly to a CAD program.
- You export the marking in CSV format including all marking data for further processing in **wiemarc**, for example.
- A bidirectional interface is available to your CAE system EPLAN.

DIN rail terminal blocks with screw connection



Pos.	Description	Type	Part number
1	Feed-through block	WK 4/U	57.504.0055.0
2	Feed-through block, blue	WK 4/U BLAU	57.504.0055.6
3	Ground block	WK 4 SL/U	57.504.9055.0
4	Feed-through block	WK 2,5/U	57.503.0055.0
5	Disconnect block	WK 4 TKG/U	57.504.4055.0
6	Knife edge disconnect block	WK 4 TKM/U	57.504.2055.0
7	Feed-through block	WK 6/U	57.506.0055.0
8	Feed-through block, blue	WK 6/U BLAU	57.506.0055.6
9	Ground block	WK 6 SL/U	57.506.9055.0
10	Feed-through block	WKN 10/U	57.510.0155.0
11	Feed-through block, blue	WKN 10/U BLAU	57.510.0155.6
12	Ground block	WKN 10 SL/U	57.510.9055.0
13	Fuse block	WK 10 SI/U 5x20	57.910.5055.0
14	Feed-through block	WKN 35/U	57.535.0155.0
15	Feed-through block, blue	WKN 35/U BLAU	57.535.0155.6
16	Ground block	WKN 35/U	57.535.9055.0
17	Partition	TW 2,5-4	07.311.1155.0
18	End plate	AP 2,5-4	07.311.0155.0
19	Cover strip with warning symbol over 4 blocks	AD VB 6/4 GELB	04.343.4856.8
20	Partition plate, yellow	TS 2,5 GELB	07.311.2053.8
21	Single cover for cross conn. with mark. facil.	AD VB 2,5 GELB	04.326.2053.8
22	Cross connector with screws, insulated	IVB WK 6-3	Z7.282.2327.0
23	Jumper comb, insulated	IVB 0,5 WK 4-3	Z7.255.0327.0
24	Test plug	ST 2/2,3	Z5.553.2921.0
25	Ring lug for test plug	9011B	05.508.3221.0
26	Fuse holder with indicator	SIST LED	Z1.299.4155.0
27	Diode plug, without contacts	DIST	Z1.299.3155.0
28	Marking strip	9705 A/8/10 B	04.842.0153.0
29	End clamp	9708/2 S35	Z5.522.8553.0
30	Mounting rail	35x27x7,5 gelocht	98.300.0000.0





wieland

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Industrial technology

Solutions for the control cabinet

- DIN rail terminal blocks
 - Screw, tension spring or push-in connection technology
 - Wire cross sections up to 240 mm²
 - Numerous special functions
 - Software solutions interfacing to CAE systems
- Safety
 - Safe signal acquisition
 - Safety switching devices
 - Modular safety modules
 - Compact safety controllers
 - Applicative consultancy and training
- Network engineering and fieldbus systems
 - Remote maintenance via VPN industrial router and VPN service portal
 - Industrial Ethernet switches
 - PLC and I/O systems, standard and increased environmental conditions
- Interface
 - Power supply units
 - Overvoltage protection
 - Coupling relays, semiconductor switches
 - Timer relays, measuring and monitoring relays
 - Analog coupling and converter modules
 - Passive interfaces

Solutions for field applications

- Decentralized installation and automation technology
 - Electrical installation for wind tower
 - Fieldbus interfaces and motor starters
- Connectors for industrial applications
 - Rectangular and round connectors
 - Aluminum or plastic housings
 - Degree of protection up to IP68
 - Current-carrying capacity up to 100 A
 - Connectors for hazardous areas
 - Modular, application-specific technology

PC board terminals and connectors

- Screw or spring clamp connection technology
- Spacings: 3.5 mm to 10.16 mm
- Reflow or wave soldering process

Building and installation technology

- Building installation systems
 - Main power supply connectors IP20/IP65...IP68
 - Bus connectors
 - Low-voltage connectors
 - Power distribution system with flat cables
 - Distribution systems
 - Bus systems in KNX, LON and radio technology
 - DIN rail terminal blocks for electrical installations
 - Overvoltage protection

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contacts
are
green.



MTO
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We care for you...