



Plugs for the world

# Screwless connection technology.

The ideal CONTACT for every application.



Fast.  
Simple.  
Safe.

Perfect screwless connection technology

# Simple mounting.

Receptacles  
and panel  
mounted  
receptacles.

TwinCONTACT.



## “One for all” does not always apply

- Stationary receptacles have different installation requirements than portable plug and socket devices.
- Usually receptacles are permanently connected to the wall with solid conductors.
- Plugs and connectors are usually held in the hand for mounting and contacted with flexible conductors.



for every application.

 **MENNEKES®**

Plugs for the world

# No compromises.

StarTOP series  
plugs and  
connectors.

SafeCONTACT.

## The consequence

- Connection technology differentiation for faster and easier work.
- This is what just MENNEKES offers you.

## Optimized technology for every type of mounting

- Simple handling and mounting.
- Labor a mount is reduced to a minimum.
- Maximum time savings.



Certified.

Tested.

Patented.

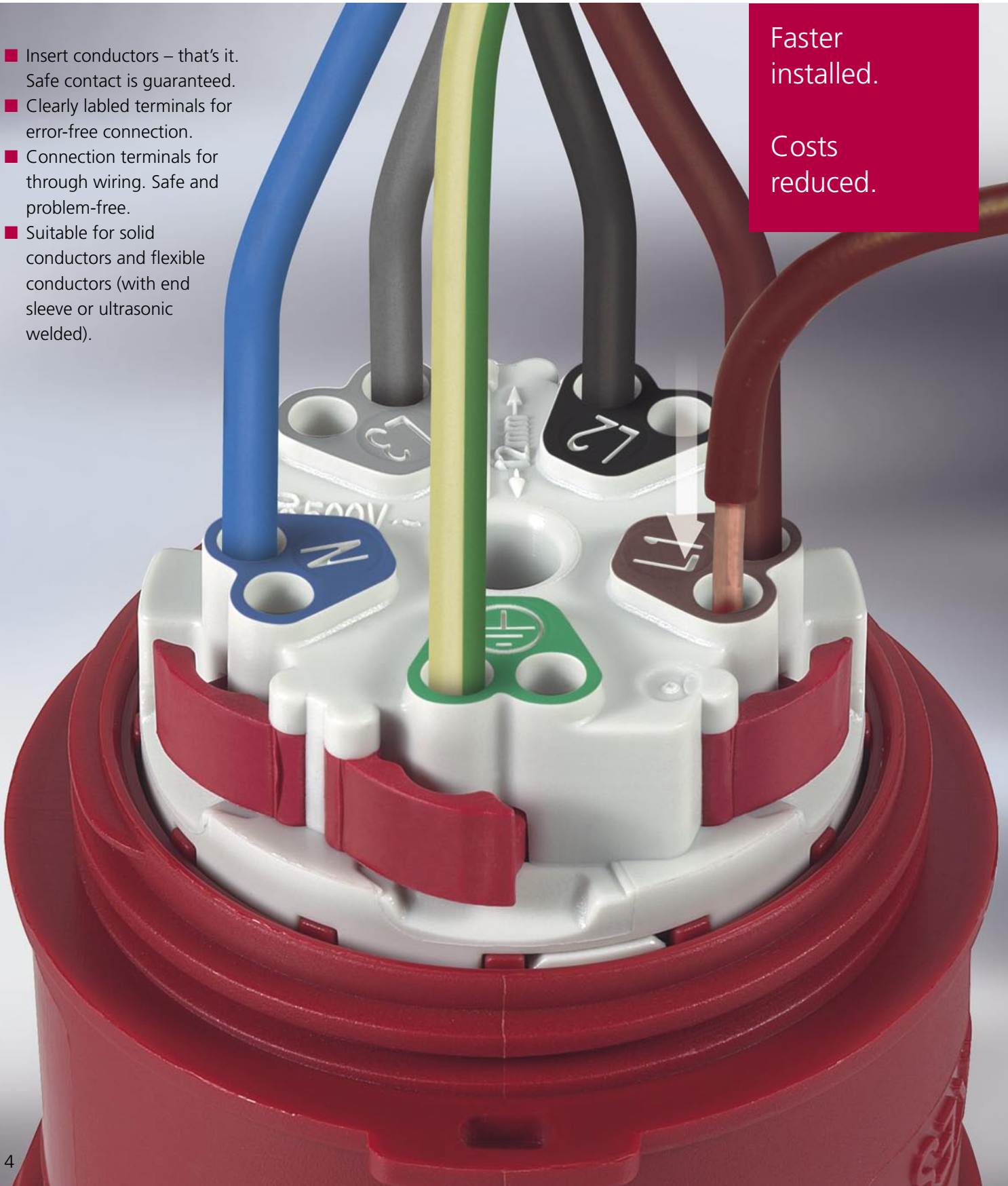
TwinCONTACT: Screwless connection technology for CEE receptacles.

# Double connected.

- Insert conductors – that's it. Safe contact is guaranteed.
- Clearly labeled terminals for error-free connection.
- Connection terminals for through wiring. Safe and problem-free.
- Suitable for solid conductors and flexible conductors (with end sleeve or ultrasonic welded).

Faster  
installed.

Costs  
reduced.



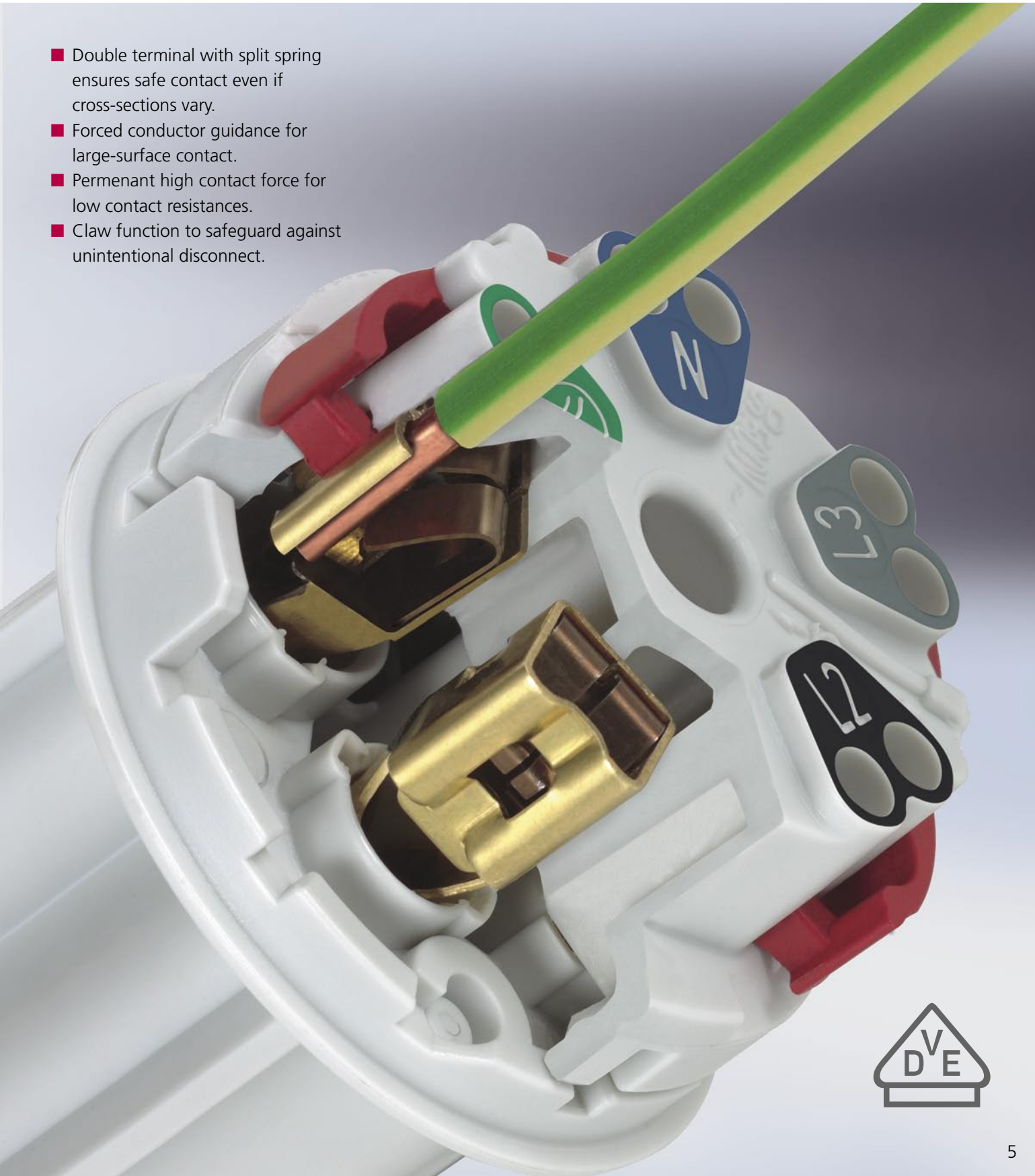
With innovative spring terminal technology.

 **MENNEKES®**

Plugs for the world

# Securely fixed in position.

- Double terminal with split spring ensures safe contact even if cross-sections vary.
- Forced conductor guidance for large-surface contact.
- Permanent high contact force for low contact resistances.
- Claw function to safeguard against unintentional disconnect.



Release the conductor with your thumb.

# Simply disconnected.

- Easy-to-operate release key, cannot be lost, functionally safe.
- Touch-proof terminals.
- Vibration proof.
- No-wear, maintenance-free contacts.



TwinCONTACT.

Perfect  
technology for  
cost-conscious  
pros.

Through wiring – safe and problem-free.

 **MENNEKES®**

Plugs for the world

# Cleanly mounted.

- Connecting terminals for through wiring between CEE and/or SCHUKO® receptacles.
- Additional terminal box and terminals are not necessary.
- Extensive product line: 16A and 32A wall-mounted and panel-mounted receptacles in protection classes IP 44 and IP 67.

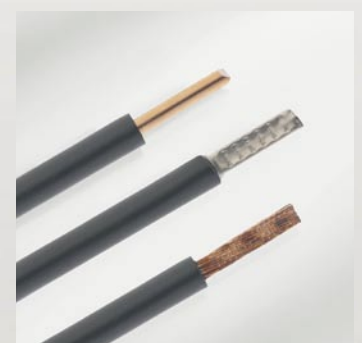


Hand installation of wall-mount receptacles is easy, clean, and quick. A removable receptacle insert and a large wiring space offer additional simplification.

Uniform bore spacing. This means it is easy to replace screw technology MENNEKES CEE receptacles with TwinCONTACT technology.

Suitable for solid conductors and flexible conductors (with end sleeves or ultrasonic welded).

Cond. cross section at 16A: 1.5 – 4.0 mm<sup>2</sup>, at 32A: 2.5 – 10 mm<sup>2</sup>.



SafeCONTACT: Screwless connection technology for plugs & connectors.

# Smarter designed.

Without stripping the insulation.

Direct contact.

## In all StarTOP® plugs and connectors

- Without stripping the insulation and pre-treating the conductors.
- Separate insulation, securely contact, and fix conductor in position, in just one step.
- Contact terminals are shock- and vibration proof.
- Permanent low contact resistances thanks to gas-tight contacts.
- Corrosion resistant.
- Flexible conductors from 1– 2.5 mm<sup>2</sup> at 16A, and from 2.5 – 6 mm<sup>2</sup> at 32A.





With proven insulation piercing technology.

 **MENNEKES®**

Plugs for the world

# Faster installed.

70%  
time savings.

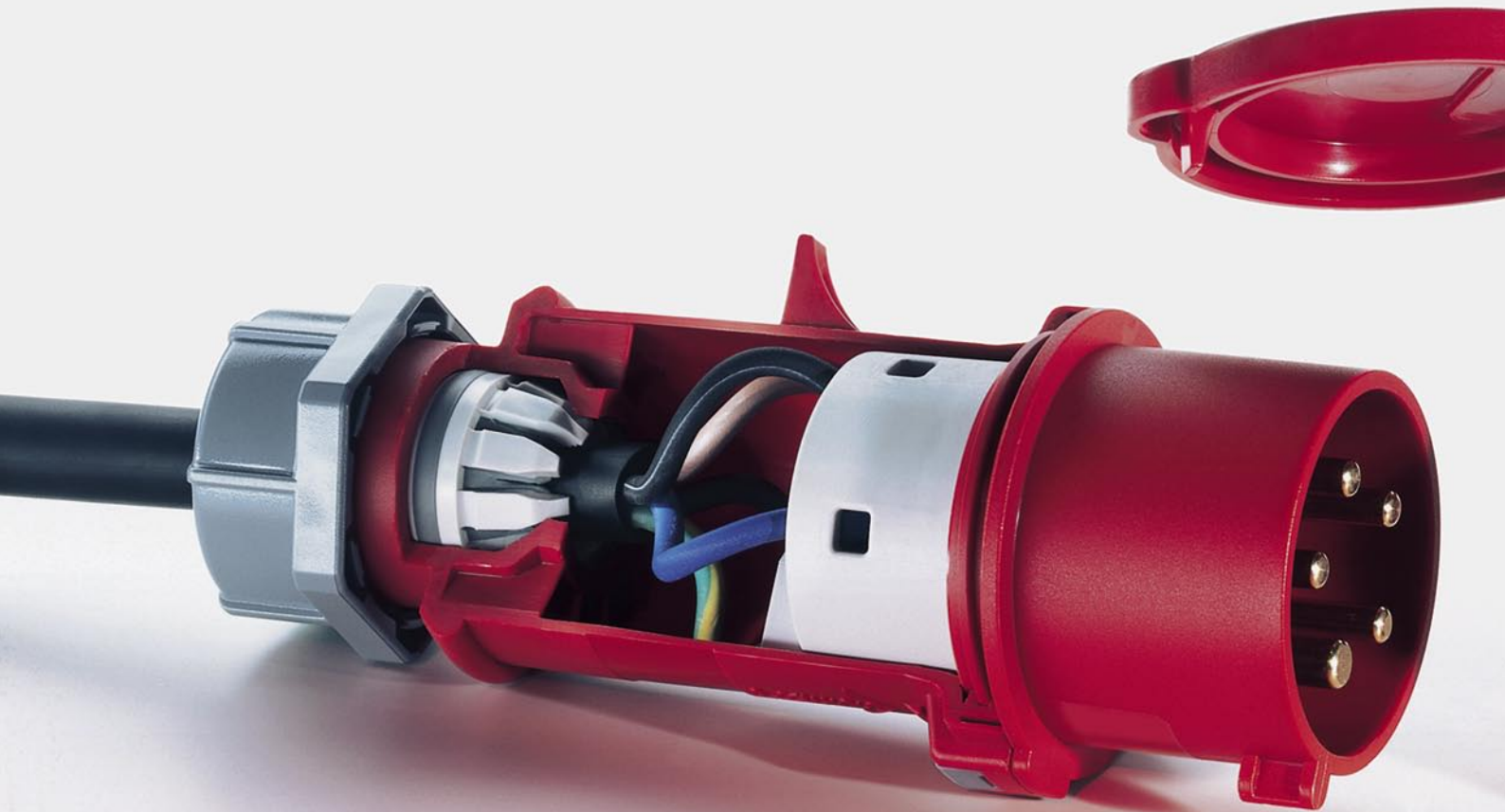
100%  
safety.

- Color-coded and clearly labeled slide for error-free connection.
- Push conductor into the opened slide until it reaches the stop.
- Use a screwdriver to move the slide into flush-surface closed position.
- That's it. The maintenance-free connection.

 **VDE** tested

Proven a million times over throughout the world.

# Well designed and



The self-finding thread developed by MENNEKES quickly produces a sealed and stable connection of housing and front part. In addition the stable slide locks fast, clean, and safe.

Unlocking is only possible with a tool, as stipulated by regulation. A stable locking mechanism for permanent safety.

The strain relief engages automatically when fastening and there is contact pressure on the seal. The fastening simultaneously offers good kink protection.

More details.

More advantages.



# made for pros.

Fast.

Safe.

Robust.



The gland is secured through a loss-prevention mechanism.

The supplemental teeth on the sealing ring audibly ensure the hold when firmly twisted and protect the fastening from loosening on its own.

The opening aid on the flip lid cover enables convenient and safe operation when plugging in and withdrawal.

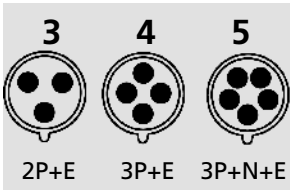
Many practical details and robustness make StarTOP® a top solution for the most rigorous requirements.



# MENNEKES CEE receptacles, screwless with TwinCONTACT

in accordance with DIN VDE 0623, EN 60309-2. Color: Electric grey and/or color coded.

Enclosure and insert made of **AMAPLAST**. Voltages and frequencies not listed are available on request.



Ampere	Number of poles	110 V 50 a. 60 Hz	230 V 50 a. 60 Hz	400 V 50 a. 60 Hz	500 V 50 a. 60 Hz	> 50 - 500 V 100- 300 Hz	> 50 - 500 V a. 300- 500 Hz	Packaging unit	Weight
		3-pol. 4h 4-pol. 4h 5-pol. 4h	3-pol. 6h 4-pol. 9h 5-pol. 9h	3-pol. 9h 4-pol. 6h 5-pol. 6h	3-pol. 7h 4-pol. 7h 5-pol. 7h	3-pol. 10h 4-pol. 10h 5-pol. 10h	3-pol. 2h 4-pol. 2h 5-pol. 2h		



▲ IP 44 wall-mounted receptacle, fastening from outside, entry from top screwless spring terminal technology **TwinCONTACT**.

16	3	1340	<b>1341</b>					10	
16	4		1342	<b>1343</b>	1344			10	
16	5			<b>31</b>				10	233
32	3	1345 *	<b>1346 *</b>					10	
32	4		1347 *	<b>1348 *</b>	1349*			10	
32	5			<b>32</b>				10	

\*under construction



▲ IP 44 wall-mounted receptacle, fastening from inside, entries - one on top and one blind (to cut out) at the bottom, lower part of housing can be rotated 180° screwless spring terminal technology **TwinCONTACT**, connecting terminals suitable for through wiring.

16	3	1719	<b>1720</b>	1721				10	
16	4		1723	<b>1724</b>	1725	1726	1727	10	236
16	5		1730	<b>3331</b>				10	256



▲ IP 44 wall-mounted receptacle, fastening from inside, entries - one on top and two blind (to cut out) at the bottom, lower part of housing can be rotated 180° screwless spring terminal technology **TwinCONTACT**, connecting terminals suitable for through wiring.

16	4	<b>H</b> 1750	1751	418	1752	1753	1754	10	280
16	5	<b>H</b> 1755	1756	<b>419</b>	1757		1759	10	290
32	3	<b>H</b> 1851 *	<b>420 *</b>	1852 *			1854 *	10	
32	4	<b>H</b> 1855 *	1856 *	<b>421 *</b>	1857 *	1858 *	1859 *	10	
32	5	<b>H</b> 1860	1861	<b>422</b>	1862		1864 *	10	

\*under construction



◆ IP 67 wall-mounted receptacle with four exterior fastenings, entries - one on top and one blind (to cut out) at the bottom screwless spring terminal technology **TwinCONTACT**, connection terminals suitable for through wiring.

16	3	<b>H</b> 1867	<b>241</b>	1868				10	240
16	4	<b>H</b> 1870	1871	<b>242</b>	1872	1873	1874	10	269
16	5	<b>H</b> 1875	1876	<b>200</b>				10	233
32	3	<b>H</b> 1877 *	<b>243 *</b>	1878 *				10	
32	4	<b>H</b> 1879 *	1880 *	<b>244 *</b>	1881 *	1882 *	1883 *	10	
32	5	<b>H</b> 1884	1885	<b>245</b>				10	

\*under construction



▲ IP 44 double boxes CEE and SCHUKO® receptacle in one enclosure screwless spring terminal technology **TwinCONTACT**.

16	4		1647	<b>1648</b>				5	395
16	5			<b>1649</b>				5	412
16	5			<b>1650</b>	with fuse holder, max 10A H			5	420
32	5			<b>1651</b>	with fuse holder, max 10A H			5	530

also available as grounding receptacle in accordance with French/Belgian, Danish, and Swiss standards



Auxiliary contact switch for supplemental functions like controlling, monitoring, signalling, electrical interlocking etc.  
Function: Changeover contact = opener/closer  
Connection values: 16A (4A)\* / 250V~  
10A (3A)\* / 400V~ \*) at inductive load or motor load

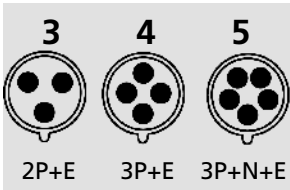
**Part no. 41000**

**H** The TwinCONTACT receptacles with this designation are prepared for installation of the auxiliary contact switch.

# MENNEKES CEE panel-mounted receptacles, screwless with TwinCONTACT

in accordance with DIN VDE 0623, EN 60309-2. Color: Electric grey and/or color coded.

Enclosure and insert made of **AMAPLAST**. Voltages and frequencies that are not listed are available on request.



Ampere	Number of poles	110 V 50 a. 60 Hz	230 V 50 a. 60 Hz	400 V 50 a. 60 Hz	500 V 50 a. 60 Hz	> 50 - 500 V 100- 300 Hz	> 50 - 500 V a. 300- 500 Hz	Packaging unit	Weight
	3-pol. 4-pol. 5-pol.	3-pol. 4-pol. 5-pol.	3-pol. 4-pol. 5-pol.	3-pol. 4-pol. 5-pol.	3-pol. 4-pol. 5-pol.	3-pol. 4-pol. 5-pol.	3-pol. 4-pol. 5-pol.		
	4h 4h 4h	6h 9h 9h	9h 6h 6h	7h 7h 7h	10h 10h 10h	2h 2h 2h			



▲ IP 44 panel-mounted receptacle, inclined 20°, screwless spring terminal technology **TwinCONTACT** connecting terminals suitable for through wiring.

16	3	1631	<b>1632</b>	1633			1635	10	132
16	4	1636	1637	<b>1638</b>	1639	1640	1641	10	183
16	5	1642	1643	<b>3473</b>	1644		1646	10	204
32	3	<b>H</b> 1733 *	<b>1734 *</b>	1735 *			1737 *	10	
32	4	<b>H</b> 1738 *	1739 *	<b>1740 *</b>	1741 *	1742 *	1743 *	10	
32	5	<b>H</b> 1744	1745	<b>1746</b>	1747		1749 *	10	

\*under construction



▲ IP 44 panel-mounted receptacle, straight, screwless spring terminal technology **TwinCONTACT** connecting terminals suitable for through wiring.

16	3	1667	<b>1668</b>	1669			1671	10	137
16	4	1672	1673	<b>1674</b>	1675	1676	1677	10	161
16	5	1678	1679	<b>3385</b>	1680		1682	10	185
32	3	1786 *	<b>1787 *</b>	1788 *				10	
32	4	1789 *	1790 *	<b>1791 *</b>	1792 *	1793 *	1794 *	10	
32	5	1795	1796	<b>1797</b>	1798		1800 *	10	

\*under construction



▲ IP 67 panel-mounted receptacle, inclined 20°, screwless spring terminal technology **TwinCONTACT** connecting terminals suitable for through wiring.

16	3	1700	<b>1701</b>	1702				10	151
16	4		1703	<b>1704</b>	1705	1706		10	203
16	5			<b>3485</b>				10	237
32	3	1801 *	<b>1802 *</b>	1803 *				10	
32	4		1804 *	<b>1805 *</b>	1806 *	1807 *		10	
32	5	<b>H</b>		<b>1808</b>				10	

\*under construction



▲ IP 67 panel-mounted receptacle, straight, screwless spring terminal technology **TwinCONTACT** connecting terminals suitable for through wiring.

16	3	1707	<b>1708</b>	1709				10	160
16	4	1710	1711	<b>1712</b>	1713	1714	1715	10	183
16	5	1716	1717	<b>1131</b>				10	221
32	3	1809 *	<b>1810 *</b>	1811 *				10	
32	4	1812 *	1813 *	<b>1814 *</b>	1815 *	1816 *	1817 *	10	
32	5	1818	1819	<b>1820</b>				10	

\*under construction



▲ IP 44 RAPIDO panel-mounted receptacle for wall opening 61 mm diameter, central fastening, screwless spring terminal technology **TwinCONTACT** connecting terminals suitable for through wiring.

16	3	1132	<b>997</b>					10	158
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▲ IP 44 RAPIDO panel-mounted receptacle for wall opening 70 mm diameter, central fastening, screwless spring terminal technology **TwinCONTACT** connecting terminals suitable for through wiring.

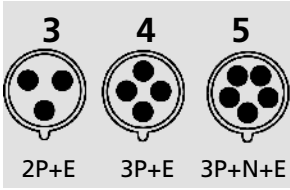
16	4		1133	<b>998</b>	1134			10	
16	5			<b>907</b>				10	187
32	3	1135 *	<b>987 *</b>					10	
32	4		1166 *	<b>988 *</b>	1167 *			10	
32	5			<b>989</b>				10	

\*under construction

# MENNEKES CEE plug/connectors StarTOP®, screwless w. SafeCONTACT

in accordance with DIN VDE 0623, EN 60309-2. Color: Electric grey and/or color coded.

Enclosure and insert made of **AMAPLAST**. Voltages and frequencies not listed are available on request.



Ampere	Number of poles			110 V 50 a. 60 Hz	230 V 50 a. 60 Hz	400 V 50 a. 60 Hz	500 V 50 a. 60 Hz	>50 - 500 V 100-300 Hz	>50 - 500 V a. 300-500 Hz	Packaging unit	Weight									
	3-pol. 4h	4-pol. 4h	5-pol. 4h	3-pol. 6h	4-pol. 9h	5-pol. 9h	3-pol. 9h	4-pol. 6h	5-pol. 6h	3-pol. 7h	4-pol. 7h	5-pol. 7h	3-pol. 10h	4-pol. 10h	5-pol. 10h	3-pol. 2h	4-pol. 2h	5-pol. 2h		



⚠ IP 44 plug **StarTOP®** with screwless insulation piercing technology **SafeCONTACT**. Gland with grommet, strain relief, and cable kink protection, enclosure with thread lock and safety slide.

16	3	947	<b>948</b>							10	151
16	4		951	<b>952</b>	953		954			10	187
16	5			<b>33</b>						10	204
32	5			<b>34</b>						10	340



⚠ IP 44 connection box **StarTOP®** with screwless insulation displacement technology **SafeCONTACT**. Gland with grommet, strain relief, and cable kink protection, enclosure with thread lock and safety slide.

16	3	979	<b>980</b>							10	186
16	4		993	<b>994</b>	965		996			10	225
16	5			<b>35</b>						10	250
32	5			<b>36</b>						10	383

Practical solutions. Satisfied customers.

 **MENNEKES®**

Plugs for the world

# Reliable.



DMT



Our goal is to ensure a uniform level of quality in all markets. Consequently the quality management system has been installed and certified in accordance with DIN EN ISO 9001:2000 in all production facilities. As market leader MENNEKES has more than 3,000 product certificates from internationally recognized test institutes.

Safe contact technology.

Proven millions of times over.



Companies like Audi, Bosch, Deutsche Bahn, Daimler Chrysler, Porsche, Liebherr, SAP, Siemens, rely on plug & socket devices from MENNEKES.

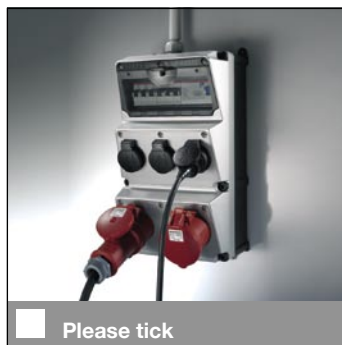
# Fax response

## Please send to

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Please send me the following product information at no charge:

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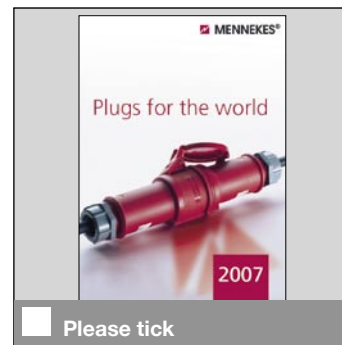
**AMAXX®**  
**Receptacle combinations.**  
 Newly defined.



**Stainless steel distributor**  
**In wind and weather.**  
 Service stations for power and water. All-season safe operation.



**Industrial Ethernet.**  
**Energy and datas.**  
 For modern industrial networks.  
 Cepex-dataport receptacles.  
 Optical fibre technology. CEEplus.



**MENNEKES**  
**Main catalog 2007.**



**EX-Zone 22**  
**CEE plug & socket devices.**  
 Dust-proof. Tested.  
 Plug & socket devices to 63A.



**Distribution systems.**  
**For ceiling, wall and floor.**  
 For energy, data, compressed air, and light.



**RAPIDO**  
**The express installation.**  
 Panel-mounted receptacles and inlets with central thread.  
 Toolless installation.

Company

Dpt./Position

Mr. / Ms.

Address

City/Postal code

Telephone

Fax:

E-mail:

Industry:

- Electrical wholesale  
 Electrician  
 Industry  
 Planner/eng. office  
 \_\_\_\_\_

Company size:

- 1-10  
 11-50  
 51-100  
 101-500  
 501-1000  
 over 1000

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