

INNOVATIVE. UNIQUE. AWARDED.  
NEO CEE-PLUGS AND SOCKETS



**NEΩ**  
One-Touch

The excerpts from standards given are for your information, but are not binding. In case of doubt, the original standard or provision must be consulted in its entirety. The citations of standards are a reference for the interested professional.

We reserve the right to make technical changes. The data specify the products, but do not guarantee any properties.

Current status (update): [www.walther-werke.de](http://www.walther-werke.de)

Please refer to the currently valid price list for prices.

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# THIS IS WHAT PROGRESS LOOKS LIKE

## NEO – THE NEW CEE GENERATION



1910

The WALTHER system was THE synonym for plug-in devices until well into the 1960s. Available were encapsulated 2, 3 and 4-pole plugs and sockets up to 350 A and 500 V made of aluminum or cast iron.

Even back then, ergonomics and design were an issue.



1966

The first CEE plug and socket system worldwide. For the first time a one-piece enclosure made from plastic allowed the contact carriers to be screwed in from the front with an internal strain relief to support the cable.

Available in 3-, 4- and 5-pole versions up to 125 A and 500 V.



1977

Complete redesign of the CEE plug and socket system. A “two-part” device design with front and rear part for easier cable connection.

Awarded the **if** Design Prize at the Hanover Trade Fair in 1989.



2006

Further redesign. Front and rear parts of the enclosure are connected to each other without screws via a thread on the front part. Introduction of a patented process for applying the sealing membrane in the rear section.

Introduction of insulation displacement connection-technology as the fastest form of termination on the market.

TODAY

The evolution of CEE plugs and sockets! Patented One-Touch locking system activates the internal strain relief with just a quarter turn and simultaneously guarantees secure locking of the front and rear parts of the device. Screwless termination via cage clamp (CAGE-CLAMP® by WAGO) ensures reliable connections and facilitates ease of operation.

CEE NEO combines innovative optimizations with easy, safe handling in a very unique design.

# MAXIMUM USER BENEFIT

## ALL PRODUCT BENEFITS AT A GLANCE

New functions

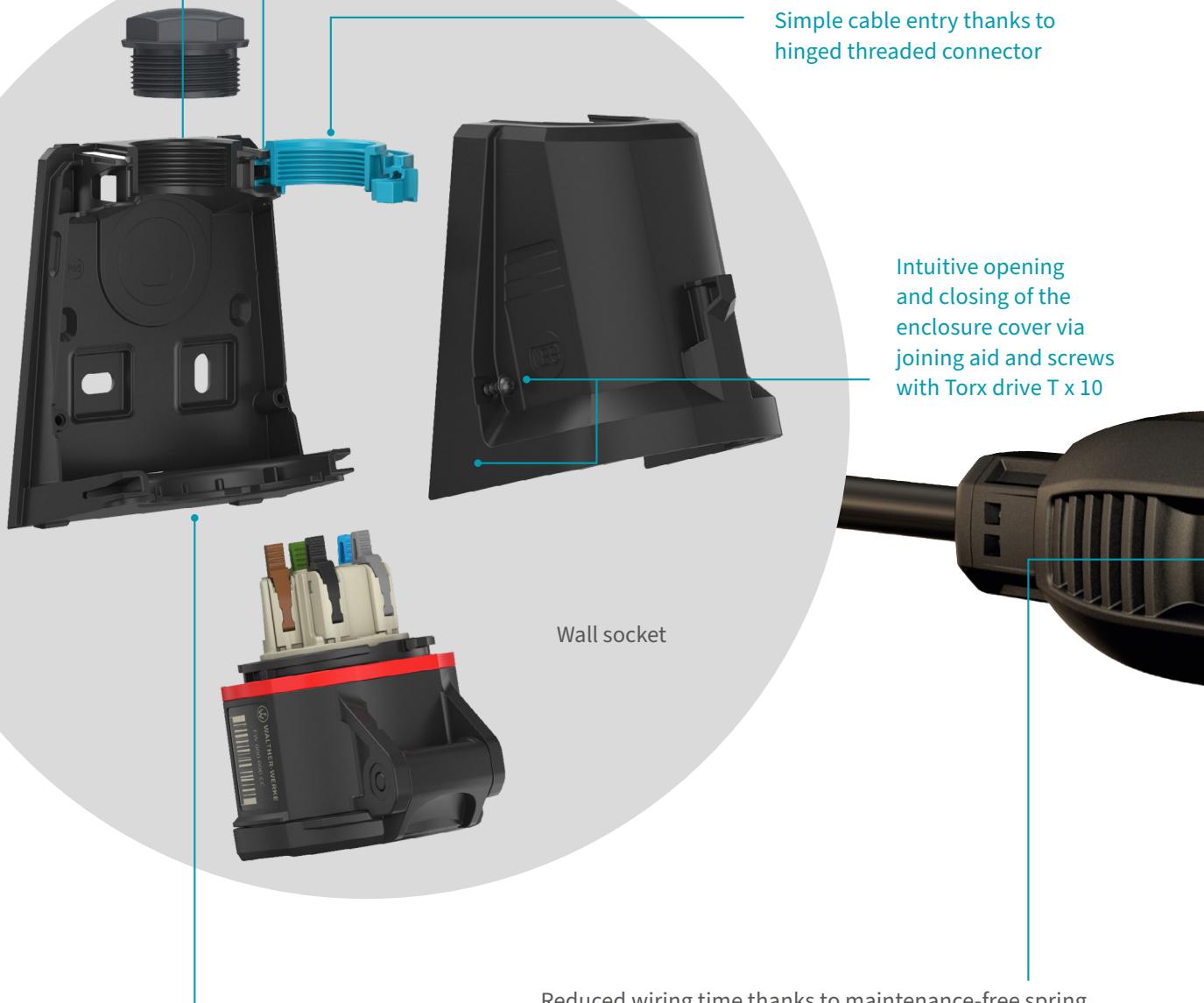
Variable installation: cable entry possible from above or from the back

Simple cable entry thanks to hinged threaded connector

Intuitive opening and closing of the enclosure cover via joining aid and screws with Torx drive T x 10

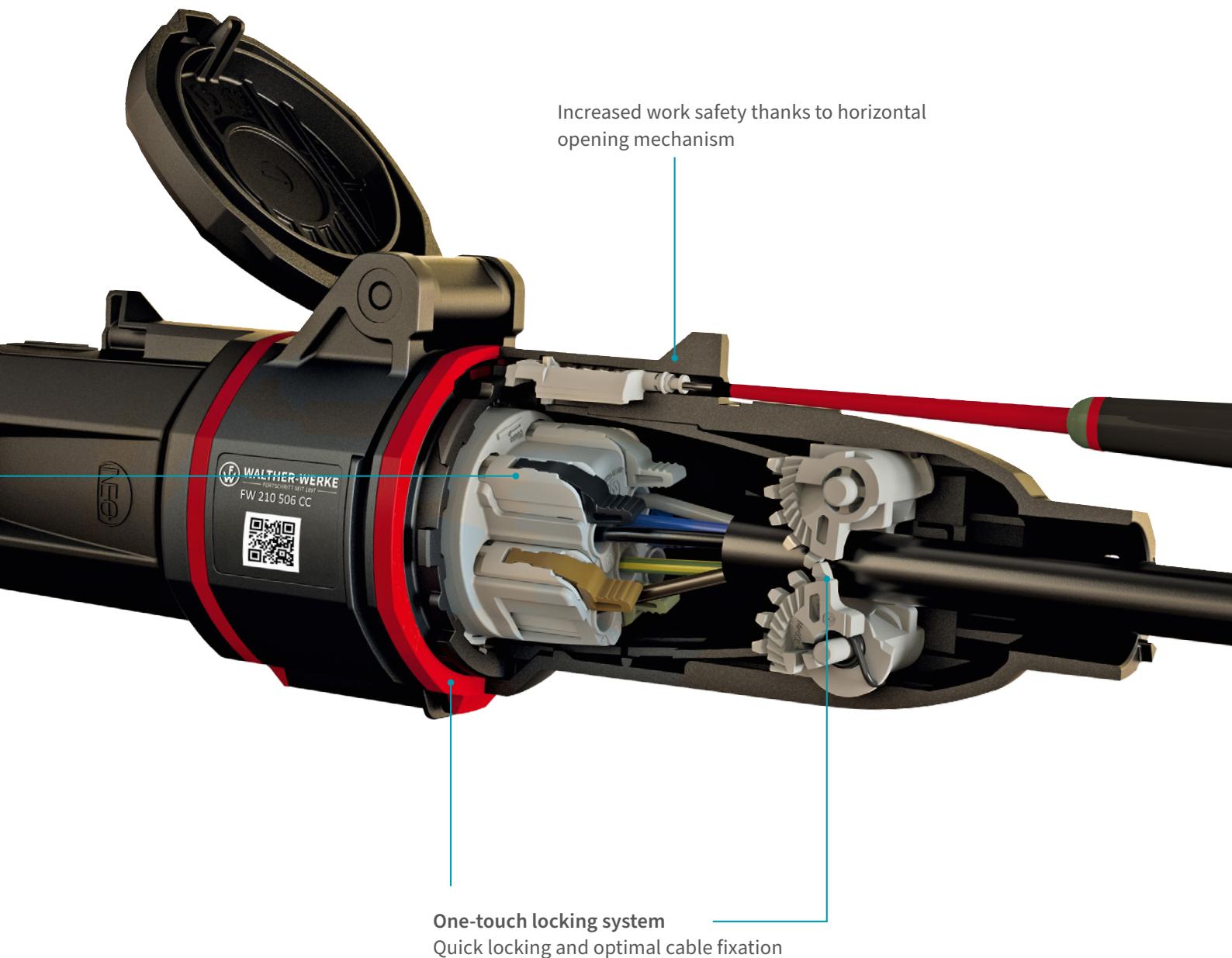
Wall socket

Reduced wiring time thanks to maintenance-free spring clamping technology (CAGE CLAMP® by **WAGO**®) and flexibility in the choice of copper conductors



# NEO

One - Touch



# OPTIMIZED CONNECTION TECHNOLOGY FOR EASY AND SAFE ASSEMBLY



## Screw terminal connection

The use of Torx screws on the screw terminal ensures optimum power transmission and a longer service life of the screw heads. The mandatory fit between screwdriver and screw head prevents slipping and is ideal for the use with cordless and automatic screwdrivers.

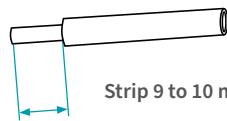
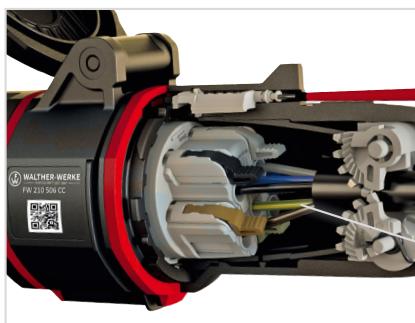


## Screwless connection

A cage tension spring (CAGE-CLAMP\*) enables screwless connection and saves time during assembly. The ease of use of the terminal lever and the frequent reconnectability have proven themselves internationally. The WAGO CAGE-CLAMP\* connection technology is accepted worldwide with all important international approvals.

## CONDUCTOR CONNECTION

- The NEO cage clamp (CAGE CLAMP® from **WAGO**®) is approved for clamping the following copper conductors of 1 - 4 mm<sup>2</sup>:



Strip 9 to 10 mm conductors.

	single-wire
	multi-strand
	fine stranded, also with tinned individual cores
	finde stranded, strand-compressed
	fine-stranded, with wire end ferrule crimped on gas-tight 1) / 2) / 3)
	fine-stranded, with pin cable lug 4) crimped on gas-tight

- 1) Only WAGO wire end ferrules may be used.
- 2) Wire end sleeve must be designed as a square crimp connection.
- 3) No wire end sleeve may be used with a 4 mm<sup>2</sup> conductor.
- 4) Pin cable lugs must not be used.
- 5) Aluminum conductors cannot be used with this connection method.

- You can connect all the above-mentioned conductors to the screw terminal technology, also with pin cable lug.

# THREE VARIANTS FOR DIFFERENT REQUIREMENTS

NEO

C l a s s i c



## Classic application

Traditional product design with external strain relief at the smallest possible size.

NEO

O n e - T o u c h



## Professional application

Optimized for fastest assembly and reconnectability, maximum operational safety. Automatic activation of the internal strain relief.

NEO

I P D



## Future-oriented application

Always one step ahead with NEO IPD. The smart CEE plug device developed for IoT applications.

# ALWAYS ONE STEP AHEAD WITH NEO IPD DETECTS ERRORS BEFORE DAMAGE OCCURS

Ready for construction industry 4.0 with NEO IPD. The new standards of the construction industry demand future-proof further developments and innovations. The main issue here is that machines and equipment are becoming increasingly intelligent. All essential system components are clearly identifiable, know their status and are able to interact with each other via a higher level.

The NEO IPD is our answer to these new standards: an innovative, smart further development of the simple CEE plug connection. Because with the NEO IPD, you can already check the available voltage source before commissioning your connected devices. The LED display on the plug immediately shows you their status. Errors and defects are also visualized reliably and directly on the plug. The practical aspect: You can use the NEO IPD both in stand-alone operation and permanently connected to your end devices.

## FULL TRANSPARENCY FOR USER SAFETY AND DEVICE PROTECTION

With the NEO IPD, you reliably protect your existing equipment from damage. The NEO IPD offers you early fault detection by means of visual display. At any time you receive current information about the actual state of the voltage source of your equipment. Faults and defects are reliably visualized directly at the connector. This makes the handling of machines safer and simpler for you, because even laypersons can detect faults right from the start. And it's that simple: Plug in the NEO IPD and have the status of the voltage source directly on the connected terminal equipment.



## PRODUCT-HIGHLIGHTS

- Can be permanently connected for constant checking of the voltage source
- Quick and easy status detection
- Early indication of overloads
- Increased safety for personnel and system protection
- Reduces downtimes and high follow-up costs due to damage and defects



## MORE THAN A SIMPLE CEE PLUG



### Immediate fault identification via LED rotating field indicators

- Detects direction of rotating field
- Replaces manual, time-consuming rotary field measurement
- Even laymen can easily and quickly identify errors



### Integrated temperature monitoring protects units in continuous operation

- Indicates unacceptable temperature increases ( $> 60^{\circ}\text{C}$ ) immediately
- Minimizes the risk of overheating and consequential damage



### Increased safety through phase, neutral and protective conductor monitoring

- Reliably detects malfunctions of the protective conductor as well as the phase and neutral conductors
- Minimizes safety risks and ensures increased personal and system protection



### Ready for smart communication via Bluetooth mesh module

- Enables centralized and remote condition monitoring
- Gateway and software platform IPD IoT are currently under development
- You do not have to retrofit the NEO IPD later on

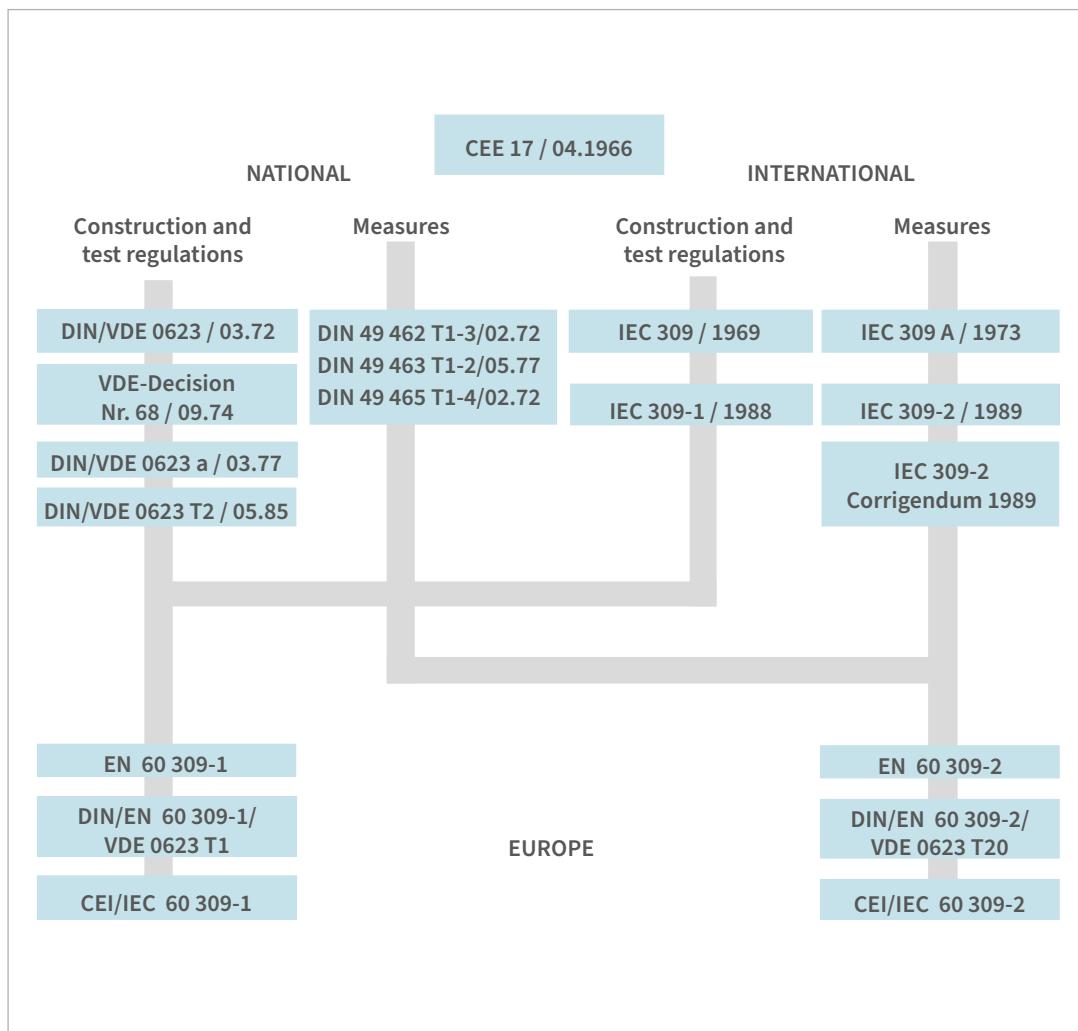
# NORMATIVE SPECIFICATIONS AND GUIDELINES

## Development of the IEC 60309 standard

The international standard for CEE plugs and sockets is set out in IEC 60309. Historically, this standard was derived from CEE17, which originated from the standardization draft by WALTHER-WERKE in the 1960s. In the UK, CEE17 was used as BS 4343 (also known as "CEE-form"). IEC 60309 basically describes the requirements for plugs, sockets, cable couplings and appliance couplers for industrial applications. This standard was developed from the European standard CEE 17, which was published in 1966, as standardization at a global level was advantageous due to global trade relations. Thanks to this globally valid standard, it is now possible to operate machines, systems and devices anywhere in the world without having to use special national plug systems.

WALTHER CEEtyp plugs and sockets are CEE plugs and sockets in accordance with the international standard IEC/EN 60 309-1 and 60309-2.

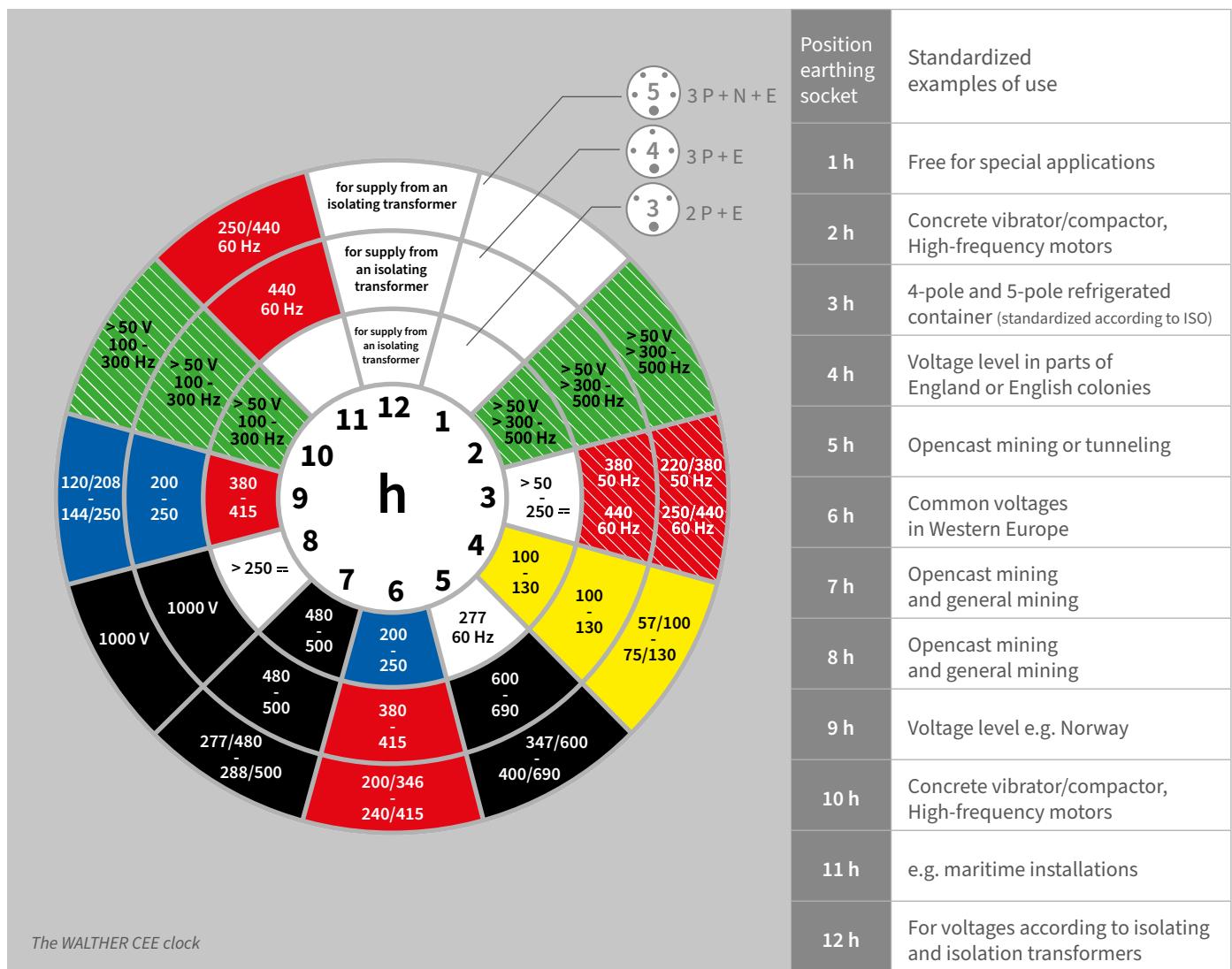
## Overview of the standards development



## THE CEE CLOCK ACCORDING TO IEC 60309-1

The international standard for CEE plugs and sockets is defined in the IEC 60309 standard. This was derived from the CEE17 standard, which was drafted by WALTHER-WERKE in the 1960s. IEC 60309 describes the requirements for plugs, sockets, cable couplings and device plugs and sockets for industrial applications.

The specified voltages and frequencies are prescribed for use in accordance with IEC 60309-1 (Series I). This standardization means that the same plug-in system can be used for machines and systems worldwide. The colors of the individual standardized voltages and frequencies are recommendations of the standard and serve for identification. Important to know: The shaded clock positions (2h, 3h, 10h) are only standardized for 16 A and 32 A.



# CEE NEO WALL SOCKETS 16 A

Item number					Ampère	Poles	Version	Protection category	Packaging unit	
110 V 50 60 Hz 4h	230 V 50 60 Hz 6h 9h	400 V 50 60 Hz 6h 9h	500 V 50 60 Hz 7h							
FW110304CC FW110304SK	FW110306CC FW110306SK	FW110309CC FW110309SK	FW110307CC FW110307SK	16 16	3 3		CEE NEO Wall sockets with a cable entry M20 at the top	IP54	10	
										FW110306CC
FW110404CC	FW110409CC	FW110406CC	FW110407CC	16	4		CEE NEO Wall sockets with a cable entry M32 at the top	IP54	10	
										FW110406CC
FW110504CC FW110504SK	FW110509CC FW110509SK	FW110506CC FW110506SK	FW110507CC FW110507SK	16 16	5 5		CEE NEO Wall sockets with a cable entry M32 at the top	IP54	10	
										FW110506CC
FW111304CC FW111304SK FW11130401	FW111306CC FW111306SK FW11130601	FW111309CC FW111309SK FW11130901	FW111307CC FW111307SK FW11130701	16 16 16	3 3 3		CEE NEO Wall sockets with 3 cable entries M20/ M25 (knock-out)	IP54	5	
										FW111306CC

Item no. endings (except for Mini combi): CC = Cage tension spring, SK = Screw connection, 01 = Push-in terminal block for loop-through

# CEE NEO WALL SOCKETS 16 A

Item number				Ampère	Poles	Version	Protection category	Packaging unit	
110 V 50 60 Hz 4h	230 V 50 60 Hz 6h 9h	400 V 50 60 Hz 6h 9h	500 V 50 60 Hz 7h						
FW111404CC FW11140401	FW111409CC FW11140901	FW111406CC FW11140601	FW111407CC FW11140701	16	4	CEE NEO Wall sockets with 3 cable entries M20/ M25 (knock-out)	IP54	5	 <i>FW111406CC</i>
FW111504CC FW111504SK FW11150401	FW111509CC FW111509SK FW11150901	FW111506CC FW111506SK FW11150601	FW111507CC FW111507SK FW11150701	16 16 16	5 5 5	CEE NEO Wall sockets with 3 cable entries M20/ M25 (knock-out)	IP54	5	 <i>FW111506CC</i>
		FW112506CC FW112506SK		16 16	5 5	CEE NEO Wall sockets Mini combi with earthing contact socket, <u>unprotected</u> with 3 cable entries M20/ M25 (knock-out)	IP54	5	 <i>FW112506CC</i>
		FW11250603 FW11250604		16 16	5 5	CEE NEO Wall sockets Mini combi with earthing contact socket, <u>fused</u> with 3 cable entries M20/ M25 (knock-out) 03 = secured with screw connection 04 = secured with push-in clamp	IP54	5	 <i>FW112506CC</i>

Item no. endings (except for Mini combi): CC = Cage tension spring, SK = Screw connection, 01 = Push-in terminal block for loop-through, 03 = Push-In terminal block CC, fused, 04 = Screw connection SK, fused

# CEE NEO WALL SOCKETS 32 A

Item number				Ampère	Poles	Version	Protection category	Packaging unit	
110 V 50 60 Hz 4h	230 V 50 60 Hz 6h 9h	400 V 50 60 Hz 6h 9h	500 V 50 60 Hz 7h						
FW130304CC FW130304SK	FW130306CC FW130306SK	FW130309CC FW130309CC	FW130307CC FW130307SK	32 32	3 3	CEE NEO Wall sockets with a cable entry M32 at the top	IP54	10	
FW130404CC	FW130409CC	FW130406CC	FW130407CC	32	4	CEE NEO Wall sockets with a cable entry M32 at the top	IP54	10	
FW130504CC FW130504SK	FW130509CC FW130509SK	FW130506CC FW130506SK	FW130507CC FW130507SK	32 32	5 5	CEE NEO Wall sockets with a cable entry M32 at the top	IP54	10	
FW131304CC FW131304SK FW13130401	FW131306CC FW131306SK FW13130601	FW131309CC FW131309SK FW13130901	FW131307CC FW131307SK FW13130701	32 32 32	3 3 3	CEE NEO Wall sockets with 3 cable entries M20/ M25 (knock-out)	IP54	2	

Item no. endings (except for Mini combi): CC = Cage tension spring, SK = Screw connection, 01 = Push-in terminal block for loop-through

# CEE NEO WALL SOCKETS 32 A

Item number				Ampère	Poles	Version	Protection category	Packaging unit	
110 V 50 60 Hz 4h	230 V 50 60 Hz 6h 9h	400 V 50 60 Hz 6h 9h	500 V 50 60 Hz 7h						
FW131404CC FW13140401	FW131409CC FW13140901	FW131406CC FW13140601	FW131407CC FW13140701	32 32	4 4	CEE NEO Wall sockets with 3 cable entries M20/ M25 (knock-out)	IP54	2	 <i>FW131406CC</i>
FW131504CC FW131504SK FW13150401	FW131509CC FW131509SK FW13150901	FW131506CC FW131506SK FW13150601	FW130507CC FW130507SK FW13150701	32 32 32	5 5 5	CEE NEO Wall sockets with 3 cable entries M20/ M25 (knock-out)	IP54	2	 <i>FW131506CC</i>
		FW132506CC FW132506SK		32 32	5 5	CEE NEO Wall sockets Mini combi with earthing contact socket, <u>unprotected</u> , with 3 cable entries M20/ M25 (knock-out) 2 supply lines required	IP54	2	 <i>FW132506CC</i>
		FW13250603 FW13250604		32 32	5 5	CEE NEO Wall sockets Mini combi with earthing contact socket, <u>fused</u> , with 3 cable entries M20/ M25 (knock-out)	IP54	2	 <i>FW132506CC</i>

Item no. endings (except for Mini combi): CC = Cage tension spring, SK = Screw connection, 01 = Push-in terminal block for loop-through,  
03 = Push-In terminal block CC, fused, 04 = Screw connection SK, fused

## CEE NEO PLUGS 16 A

Item number				Ampère	Poles	Version	Protection category	Packaging unit	
110 V 50 60 Hz 4h	230 V 50 60 Hz 6h 9h	400 V 50 60 Hz 6h 9h	500 V 50 60 Hz 7h						
FW210404CC	FW210409CC	FW210406CC	FW210407CC	16	4	CEE NEO plugs – One-Touch – with automatically activating strain relief	IP54	10	 <i>FW210406CC</i>
FW210504CC	FW210509CC	FW210506CC	FW210507CC	16	5	CEE NEO plugs – One-Touch – with automatically activating strain relief	IP54	10	 <i>FW210506CC</i>
FW211304CC FW211304SK	FW211306CC FW211306SK	FW211309CC FW211309SK	FW211307CC FW211307SK	16 16	3 3	CEE NEO plugs – Classic – with external screw connection, with strain relief	IP54	10	 <i>FW211306CC</i>
FW211404CC	FW211409CC	FW211406CC	FW211407CC	16	4	CEE NEO plugs – Classic – with external screw connection, with strain relief	IP54	10	 <i>FW211406CC</i>
FW211504CC FW211504SK FW211504PH	FW211509CC FW211509SK FW211509PH	FW211506CC FW211506SK FW211506PH	FW211507CC FW211507SK FW211507PH	16 16 16	5 5 5	CEE NEO plugs – Classic – with external screw connection, with strain relief	IP54	10	 <i>FW211506CC</i>

## CEE NEO IPD

		FW210506BT		16	5	CEE NEO IPD	IP54	1	 <i>FW210506BT</i>
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Item no. endings: CC = cage tension spring, SK = screw connection, PH = phase inverter

# CEE NEO PLUGS 32 A

Item number				Ampère	Poles	Version	Protection category	Packaging unit	
110 V 50 60 Hz 4h	230 V 50 60 Hz 6h 9h	400 V 50 60 Hz 6h 9h	500 V 50 60 Hz 7h						
FW230304CC	FW230309CC	FW230306CC	FW230307CC	32	3	CEE NEO plugs – One Touch – with automatically activating strain relief	IP54	10	 <i>FW230306CC</i>
FW230404CC	FW230409CC	FW230406CC	FW230407CC	32	4	CEE NEO plugs – One Touch – with automatically activating strain relief	IP54	10	 <i>FW230406CC</i>
FW230504CC	FW230509CC	FW230506CC	FW230507CC	32	5	CEE NEO plugs – One Touch – with automatically activating strain relief	IP54	10	 <i>FW230506CC</i>
FW231304CC FW231304SK	FW231306CC FW231306SK	FW231309CC FW231309SK	FW231307CC FW231307SK	32 32	3 3	CEE NEO plugs – Classic – with external screw connection, with strain relief	IP54	10	 <i>FW231306CC</i>
FW231404CC	FW231406CC	FW231409CC	FW231407CC	32	4	CEE NEO plugs – Classic – with external screw connection, with strain relief	IP54	10	 <i>FW231406CC</i>
FW231504CC FW231504SK FW231504PH	FW231509CC FW231509SK FW231509PH	FW231506CC FW231506SK FW231506PH	FW231507CC FW231507SK FW231507PH	32 32 32	5 5 5	CEE NEO plugs – Classic – with external screw connection, with strain relief	IP54	10	 <i>FW231506CC</i>

Item no. endings: CC = cage tension spring, SK = screw connection, PH = phase inverter

## CEE NEO COUPLERS 16 A

Item number				Ampère	Poles	Version	Protection category	Packaging unit	
110 V 50 60 Hz 4h	230 V 50 60 Hz 6h 9h	400 V 50 60 Hz 6h 9h	500 V 50 60 Hz 7h						
FW310404CC	FW310409CC	FW310406CC	FW310407CC	16	4	CEE NEO couplers – One Touch – with automatically activating strain relief	IP54	10	 <i>FW310406CC</i>
FW310504CC	FW310509CC	FW310506CC	FW310507CC	16	5	CEE NEO couplers – One Touch – with automatically activating strain relief	IP54	10	 <i>FW310506CC</i>
FW311304CC FW311304SK	FW311306CC FW311306SK	FW311309CC FW311309SK	FW311307CC FW311307SK	16 16	3 3	CEE NEO couplers – Classic – with external screw connection, with strain relief	IP54	10	 <i>FW311306CC</i>
FW311404CC	FW311409CC	FW311406CC	FW311407CC	16	4	CEE NEO couplers – Classic – with external screw connection, with strain relief	IP54	10	 <i>FW311406CC</i>
FW311504CC FW311504SK	FW311509CC FW311509SK	FW311506CC FW311506SK	FW311507CC FW311507SK	16 16	5 5	CEE NEO couplers – Classic – with external screw connection, with strain relief	IP54	10	 <i>FW311506CC</i>

Item no. endings: CC = cage tension spring, SK = screw connection

# CEE NEO COUPLERS 32 A

Item number				Ampère	Poles	Version	Protection category	Packaging unit	
110 V 50 60 Hz 4h	230 V 50 60 Hz 6h 9h	400 V 50 60 Hz 6h 9h	500 V 50 60 Hz 7h						
FW330304CC	FW330309CC	FW330306CC	FW330307CC	32	3	CEE NEO couplers – One Touch – with automatically activating strain relief	IP54	10	 FW330306CC
FW330404CC	FW330409CC	FW330406CC	FW330407CC	32	4	CEE NEO couplers – One Touch – with automatically activating strain relief	IP54	10	 FW330406CC
FW330504CC	FW330509CC	FW330506CC	FW330507CC	32	5	CEE NEO couplers – One Touch – with automatically activating strain relief	IP54	10	 FW330506CC
FW331304CC FW331304SK	FW331306CC FW331306SK	FW331309CC FW331309SK	FW331307CC FW331307SK	32 32	3 3	CEE NEO couplers – Classic – with external screw connection, with strain relief	IP54	10	 FW331306CC
FW331404CC	FW331406CC	FW331409CC	FW331407CC	32	4	CEE NEO couplers – Classic – with external screw connection, with strain relief	IP54	10	 FW331406CC
FW331504CC FW331504SK	FW331509CC FW331509SK	FW331506CC FW331506SK	FW331507CC FW331507SK	32 32	5 5	CEE NEO couplers – Classic – with external screw connection, with strain relief	IP54	10	 FW331506CC

Item no. endings: CC = cage tension spring, SK = screw connection

# CEE NEO PANEL SOCKETS STRAIGHT 16 A

Item number					Ampère	Poles	Version	Protection category	Packaging unit	
110 V 50 60 Hz 4h	230 V 50 60 Hz 6h 9h	400 V 50 60 Hz 6h 9h	500 V 50 60 Hz 7h							
FW410304CC FW410304SK	FW410306CC FW410306SK	FW410309CC FW410309SK	FW410307CC FW410307SK	16 16	3 3	CEE NEO panel sockets, straight Flange: 75 x 75 mm fixing center: 60 x 60 mm	IP54	10		<i>FW410306CC</i>
FW410404CC	FW410409CC	FW410406CC	FW410407CC	16	4	CEE NEO panel sockets, straight Flange: 75 x 75 mm fixing center: 60 x 60 mm	IP54	10		<i>FW410406CC</i>
FW410504CC FW410504SK	FW410509CC FW410509SK	FW410506CC FW410506SK	FW410507CC FW410507SK	16 16	5 5	CEE NEO panel sockets, straight Flange: 75 x 75 mm fixing center: 60 x 60 mm	IP54	10		<i>FW410506CC</i>
FW412304CC FW412304SK	FW412306CC FW412306SK	FW412309CC FW412309SK	FW412307CC FW412307SK	16 16	3 3	CEE NEO panel sockets, straight Flange: 60 x 60 mm fixing center: 47 x 47 mm	IP54	10		<i>FW411506C</i>
FW411404CC	FW411409CC	FW411406CC	FW411407CC	16	4	CEE NEO panel sockets, straight Flange: 86 x 86 mm fixing center: 69,5 x 69,5 mm	IP54	10		<i>FW411406CC</i>
FW411504CC FW411504SK	FW411509CC FW411509SK	FW411506CC FW411506SK	FW411507CC FW411507SK	16 16	5 5	CEE NEO panel sockets, straight Flange: 86 x 86 mm fixing center: 69,5 x 69,5 mm	IP54	10		<i>FW411506CC</i>

Item no. endings: CC = cage tension spring, SK = screw connection

# CEE NEO PANEL SOCKETS STRAIGHT 32 A

Item number				Ampère	Poles	Version	Protection category	Packaging unit	
110 V 50 60 Hz 4h	230 V 50 60 Hz 6h 9h	400 V 50 60 Hz 6h 9h	500 V 50 60 Hz 7h						
FW430304CC FW430304SK	FW430306CC FW430306SK	FW430309CC FW430309SK	FW430307CC FW430307SK	32 32	3 3	CEE NEO panel sockets, straight Flange: 80 x 80 mm fixing center: 60 x 60 mm	IP54	10	 FW430306CC
FW430404CC	FW430409CC	FW430406CC	FW430407CC	32	4	CEE NEO panel sockets, straight Flange: 80 x 80 mm fixing center: 60 x 60 mm	IP54	10	 FW430406CC
FW430504CC FW430504SK	FW430509CC FW430509SK	FW430506CC FW430506SK	FW430507CC FW430507SK	32 32	5 5	CEE NEO panel sockets, straight Flange: 80 x 80 mm fixing center: 60 x 60 mm	IP54	10	 FW430506CC
FW431304CC FW431304SK	FW431306CC FW431306SK	FW431309CC FW431309SK	FW431307CC FW431307SK	32 32	3 3	CEE NEO panel sockets, straight Flange: 86 x 86 mm fixing center: 69,5 x 69,5 mm	IP54	10	 FW431306CC
FW431404CC	FW431409CC	FW431406CC	FW431407CC	32	4	CEE NEO panel sockets, straight Flange: 86 x 86 mm fixing center: 69,5 x 69,5 mm	IP54	10	 FW431406CC
FW431504CC FW431504SK	FW431509CC FW431509SK	FW431506CC FW431506SK	FW431507CC FW431507SK	32 32	5 5	CEE NEO panel sockets, straight Flange: 86 x 86 mm fixing center: 69,5 x 69,5 mm	IP54	10	 FW431506CC

Item no. endings: CC = cage tension spring, SK = screw connection

# CEE NEO PANEL SOCKETS ANGLED 16 A

Item number				Ampère	Poles	Version	Protection category	Packaging unit	
110 V 50 60 Hz 4h	230 V 50 60 Hz 6h 9h	400 V 50 60 Hz 6h 9h	500 V 50 60 Hz 7h						
FW512304CC FW512304SK	FW512306CC FW512306SK	FW512309CC FW512309SK	FW512307CC FW512307SK	16 16	3 3	CEE NEO Panel sockets angled Flange: 60 x 60 mm fixing center: 47 x 47 mm	IP54	10	 <i>FW512306CC</i>
FW510304CC FW510304SK	FW510306CC FW510306SK	FW510309CC FW510309SK	FW510307CC FW510307SK	16 16	3 3	CEE NEO Panel sockets angled Flange: 86 x 86 mm fixing center: 69,5 x 69,5 mm	IP54	10	 <i>FW510306CC</i>
FW510404CC	FW510409CC	FW510406CC	FW510407CC	16	4	CEE NEO Panel sockets angled Flange: 86 x 86 mm fixing center: 69,5 x 69,5 mm	IP54	10	 <i>FW510406CC</i>
FW510504CC FW510504SK	FW510509CC FW510509SK	FW510506CC FW510506SK	FW510507CC FW510507SK	16 16	5 5	CEE NEO Panel sockets angled Flange: 86 x 86 mm fixing center: 69,5 x 69,5 mm	IP54	10	 <i>FW510506CC</i>
FW512404CC	FW512409CC	FW512406CC	FW512407CC	16	4	CEE NEO Panel sockets angled Flange: 110 x 110 mm fixing center: 90 x 90 mm	IP54	10	 <i>FW512406CC</i>
FW512504CC FW512504SK	FW512509CC FW512509SK	FW512506CC FW512506SK	FW512507CC FW512507SK	16 16	5 5	CEE NEO Panel sockets angled Flange: 110 x 110 mm fixing center: 90 x 90 mm	IP54	10	 <i>FW512506CC</i>

Item no. endings: CC = cage tension spring, SK = screw connection

# CEE NEO PANEL SOCKETS ANGLED 16 A

Item number				Ampère	Poles	Version	Protection category	Packaging unit	
110 V 50 60 Hz 4h	230 V 50 60 Hz 6h 9h	400 V 50 60 Hz 6h 9h	500 V 50 60 Hz 7h						
FW513304CC FW513304SK	FW513306CC FW513306SK	FW513309CC FW513309SK	FW513307CC FW513307SK	16 16	3 3	CEE NEO Panel sockets angled with mounted housing Flange: 77,5 x 90 mm fixing center: 45 x 78 mm	IP54	10	 FW513306CC
FW513404CC	FW513409CC	FW513406CC	FW513407CC	16	4	CEE NEO Panel sockets angled with mounted housing Flange: 77,5 x 90 mm fixing center: 45 x 78 mm	IP54	10	 FW513406CC
FW513504CC FW513504SK	FW513509CC FW513509SK	FW513506CC FW513506SK	FW513507CC FW513507SK	16 16	5 5	CEE NEO Panel sockets angled with mounted housing Flange: 77,5 x 90 mm fixing center: 45 x 78 mm	IP54	10	 FW513506CC

Item no. endings: CC = cage tension spring, SK = screw connection, PH = phase inverter

# CEE NEO PANEL SOCKETS ANGLED 32 A

Item number				Ampère	Poles	Version	Protection category	Packaging unit	
110 V 50 60 Hz 4h	230 V 50 60 Hz 6h 9h	400 V 50 60 Hz 6h 9h	500 V 50 60 Hz 7h						
FW531304CC FW531304SK	FW531306CC FW531306SK	FW531309CC FW531309SK	FW531307CC FW531307SK	32 32	3 3	CEE NEO Panel sockets angled Flange: 86 x 86 mm fixing center: 69,5 x 69,5 mm	IP54	10	 <i>FW531306CC</i>
FW531404CC	FW531409CC	FW531406CC	FW531407CC	32	4	CEE NEO Panel sockets angled Flange: 86 x 86 mm fixing center: 69,5 x 69,5 mm	IP54	10	 <i>FW531406CC</i>
FW531504CC FW531504SK	FW531509CC FW531509SK	FW531506CC FW531506SK	FW531507CC FW531507SK	32 32	5 5	CEE NEO Panel sockets angled Flange: Flanschmaß: 86 x 86 mm fixing center: 69,5 x 69,5 mm	IP54	10	 <i>FW531506CC</i>
FW532304CC FW532304SK	FW532306CC FW532306SK	FW532309CC FW532309SK	FW532307CC FW532307SK	32 32	3 3	CEE NEO Panel sockets angled Flange: 110 x 110 mm fixing center: 90 x 90 mm	IP54	10	 <i>FW532306CC</i>

Item no. endings: CC = cage tension spring, SK = screw connection

# CEE NEO PANEL SOCKETS ANGLED 32 A

Item number				Ampère	Poles	Version	Protection category	Packaging unit	
110 V 50 60 Hz 4h	230 V 50 60 Hz 6h 9h	400 V 50 60 Hz 6h 9h	500 V 50 60 Hz 7h						
FW532404CC	FW532409CC	FW532406CC	FW532407CC	32	4	CEE NEO Panel sockets angled Flange: 110 x 110 mm fixing center: 90 x 90 mm	IP54	10	 FW532406CC
FW532504CC FW532504SK	FW532509CC FW532509SK	FW532506CC FW532509SK	FW532507CC FW532507SK	32 32	5	CEE NEO Panel sockets angled Flange: 110 x 110 mm fixing center: 90 x 90 mm	IP54	10	 FW532506CC
FW533304CC FW533304SK	FW533306CC FW533306SK	FW533309CC FW533309SK	FW533307CC FW533307SK	32 32	3	CEE NEO Panel sockets angled with mounted hous- ing Flange: 115 x 115 mm fixing center: 98 x 98 mm	IP54	10	 FW533306CC
FW533404CC	FW533409CC	FW533406CC	FW533407CC	32	4	CEE NEO Panel sockets angled with mounted hous- ing Flange: 115 x 115 mm fixing center: 98 x 98 mm	IP54	10	 FW533406CC
FW533504CC FW533504SK	FW533509CC FW533509SK	FW533506CC FW533506SK	FW533507CC FW533507SK	32 32	5	CEE NEO Panel sockets angled with mounted hous- ing Flange: 115 x 115 mm fixing center: 98 x 98 mm	IP54	10	 FW533506CC

# CEE NEO WALL APPLIANCE INLETS ANGLED 16 A

Item number				Ampère	Poles	Version	Protection category	Packaging unit	
110 V 50 60 Hz 4h	230 V 50 60 Hz 6h 9h	400 V 50 60 Hz 6h 9h	500 V 50 60 Hz 7h						
FW710304CC FW710304SK	FW710306CC FW710306SK	FW710309CC FW710309SK	FW710307CC FW710307SK	16 16	3 3	CEE NEO wall appliance inlet, angled one cable entry M20 above, internal fastening	IP54	10	 <i>FW710306CC</i>
FW710404CC	FW710409CC	FW710406CC	FW710407CC	16	4	CEE NEO wall appliance inlet, angled one cable entry M32 above, internal fastening	IP54	10	 <i>FW710406CC</i>
FW710504CC FW710504SK FW710504PH	FW710509CC FW710509SK FW710509PH	FW710506CC FW710506SK FW710506PH	FW710507CC FW710507SK FW710507PH	16 16 16	5 5 5	CEE NEO wall appliance inlet, angled one cable entry M32 above, internal fastening	IP54	10	 <i>FW710506CC</i>
FW714304CC FW714304SK	FW714306CC FW714306SK	FW714309CC FW714309SK	FW714307CC FW714307SK	16 16	3 3	CEE NEO wall appliance inlet, angled 3 break-out cable entries top and bottom	IP54	10	 <i>FW714306CC</i>
FW714404CC	FW714409CC	FW714406CC	FW714407CC	16	4	CEE NEO wall appliance inlet, angled 3 break-out cable entries top and bottom	IP54	10	 <i>FW714406CC</i>
FW714504CC FW714504SK FW714504PH	FW714509CC FW714509SK FW714509PH	FW714506CC FW714506SK FW714506PH	FW714507CC FW714507SK FW714507PH	16 16 16	5 5 5	CEE NEO wall appliance inlet, angled 3 break-out cable entries top and bottom	IP54	10	 <i>FW714506CC</i>

Item no. endings: CC = cage tension spring, SK = screw connection, PH = phase inverter

# CEE NEO WALL APPLIANCE INLETS ANGLED 32 A

Item number				Ampère	Poles	Version	Protection category	Packaging unit	
110 V 50 60 Hz 4h	230 V 50 60 Hz 6h 9h	400 V 50 60 Hz 6h 9h	500 V 50 60 Hz 7h						
FW730304CC FW730304SK	FW730306CC FW730306SK	FW730309CC FW730309SK	FW730307CC FW730307SK	32 32	3 3	CEE NEO wall appliance inlet, angled one cable entry M32 above, internal fastening	IP54	10	 FW730306CC
FW730404CC	FW730409CC	FW730406CC	FW730407CC	32	4	CEE NEO wall appliance inlet, angled one cable entry M32 above, internal fastening	IP54	10	 FW730406CC
FW730504CC FW730504SK FW730504PH	FW730509CC FW730509SK FW730509PH	FW730506CC FW730506SK FW730506PH	FW730507CC FW730507SK FW730507PH	32 32 32	5 5 5	CEE NEO wall appliance inlet, angled one cable entry M32 above, internal fastening	IP54	10	 FW730506CC
FW734304CC FW734304SK	FW734306CC FW734306SK	FW734309CC FW734309SK	FW734307CC FW734307SK	32 32	3 3	CEE NEO wall appliance inlet, angled 3 break-out cable entries top and bottom	IP54	10	 FW734306CC
FW734404CC	FW734409CC	FW734406CC	FW734407CC	32	4	CEE NEO wall appliance inlet, angled 3 break-out cable entries top and bottom	IP54	10	 FW734406CC
FW734504CC FW734504SK FW734504PH	FW734509CC FW734509SK FW734509PH	FW734506CC FW734506SK FW734506PH	FW734507CC FW734507SK FW734507PH	32 32 32	5 5 5	CEE NEO wall appliance inlet, angled 3 break-out cable entries top and bottom	IP54	10	 FW734506CC

Item no. endings: CC = cage tension spring, SK = screw connection, PH = phase inverter

# CEE NEO PANEL APPLIANCE INLETS STRAIGHT 16 A

Item number				Ampère	Poles	Version	Protection category	Packaging unit	
110 V 50 60 Hz 4h	230 V 50 60 Hz 6h 9h	400 V 50 60 Hz 6h 9h	500 V 50 60 Hz 7h						
FW612304CC FW612304SK	FW612306CC FW612306SK	FW612309CC FW612309SK	FW612307CC FW612307SK	16 16	3 3	CEE NEO panel appliance inlets, straight flange: 60 x 60 mm fixing center: 47 x 47 mm	IP54	10	 <i>FW612306CC</i>
FW610304CC FW610304SK	FW610306CC FW610306SK	FW610309CC FW610309SK	FW610307CC FW610307SK	16 16	3 3	CEE NEO panel appliance inlets, straight flange: 75 x 75 mm fixing center: 60 x 60 mm	IP54	10	 <i>FW610306CC</i>
FW610404CC	FW610409CC	FW610406CC	FW610407CC	16	4	CEE NEO panel appliance inlets, straight flange: 75 x 75 mm fixing center: 60 x 60 mm	IP54	10	 <i>FW610406CC</i>
FW610504CC FW610504SK FW610504PH	FW610509CC FW610509SK FW610509PH	FW610506CC FW610506SK FW610506PH	FW610507CC FW610507SK FW610507PH	16 16 16	5 5 5	CEE NEO panel appliance inlets, straight flange: 75 x 75 mm fixing center: 60 x 60 mm	IP54	10	 <i>FW610506CC</i>
FW611404CC	FW611409CC	FW611406CC	FW611407CC	16	4	CEE NEO panel appliance inlets, straight flange: 86 x 86 mm fixing center: 69,5 x 69,5 mm	IP54	10	 <i>FW611406CC</i>
FW611504CC FW611504SK FW611504PH	FW611509CC FW611509SK FW611509PH	FW611506CC FW611506SK FW611506PH	FW611507CC FW611507SK FW611507PH	16 16 16	5 5 5	CEE NEO panel appliance inlets, straight flange: 86 x 86 mm fixing center: 69,5 x 69,5 mm	IP54	10	 <i>FW611506CC</i>

Item no. endings: CC = cage tension spring, SK = screw connection, PH = phase inverter

# CEE NEO PANEL APPLIANCE INLETS STRAIGHT 32 A

Item number				Ampère	Poles	Version	Protection category	Packaging unit	
110 V 50 60 Hz 4h	230 V 50 60 Hz 6h 9h	400 V 50 60 Hz 6h 9h	500 V 50 60 Hz 7h						
FW630304CC FW630304SK	FW630306CC FW630306SK	FW630309CC FW630309SK	FW630307CC FW630307SK	32 32	3 3	CEE NEO panel appliance inlets, straight flange: 80 x 80 mm fixing center: 60 x 60 mm	IP54	10	 FW630306CC
FW630404CC	FW630409CC	FW630406CC	FW630407CC	32	4	CEE NEO panel appliance inlets, straight flange: 80 x 80 mm fixing center: 60 x 60 mm	IP54	10	 FW630406CC
FW630504CC FW630504SK FW630504PH	FW630509CC FW630509SK FW630509PH	FW630506CC FW630506SK FW630506PH	FW630507CC FW630507SK FW630507PH	32 32 32	5 5 5	CEE NEO panel appliance inlets, straight flange: 80 x 80 mm fixing center: 60 x 60 mm	IP54	10	 FW630506CC
FW631304CC FW631304SK	FW631306CC FW631306SK	FW631309CC FW631309SK	FW631307CC FW631307SK	32 32	3 3	CEE NEO panel appliance inlets, straight flange: 86 x 86 mm fixing center: 69,5 x 69,5 mm	IP54	10	 FW631306CC
FW631404CC	FW631409CC	FW631406CC	FW631407CC	32	4	CEE NEO panel appliance inlets, straight flange: 86 x 86 mm fixing center: 69,5 x 69,5 mm	IP54	10	 FW631406CC
FW631504CC FW631504SK FW631504PH	FW631509CC FW631509SK FW631509PH	FW631506CC FW631506SK FW631506PH	FW631507CC FW631507SK FW631507PH	32 32 32	5 5 5	CEE NEO panel appliance inlets, straight flange: 86 x 86 mm fixing center: 69,5 x 69,5 mm	IP54	10	 FW631506CC

Item no. endings: CC = cage tension spring, SK = screw connection, PH = phase inverter

# CEE NEO PANEL APPLIANCE INLETS ANGLED 16 A

Item number				Ampère	Poles	Version	Protection category	Packaging unit	
110 V 50 60 Hz 4h	230 V 50 60 Hz 6h 9h	400 V 50 60 Hz 6h 9h	500 V 50 60 Hz 7h						
FW711304CC FW711304SK	FW711306CC FW711306SK	FW711309CC FW711309SK	FW711307CC FW711307SK	16 16	3 3	CEE NEO panel appliance inlets angled flange: 77,5x90mm fixing center: 45x78mm	IP54	10	 FW711306CC
FW711404CC	FW711409CC	FW711406CC	FW711407CC	16	4	CEE NEO panel appliance inlets angled flange: 77,5x90mm fixing center: 45x78mm	IP54	10	 FW711406CC
FW711504CC FW711504SK FW711504PH	FW711509CC FW711509SK FW711509PH	FW711506CC FW711506SK FW711506PH	FW711507CC FW711507SK FW711507PH	16 16 16	5 5 5	CEE NEO panel appliance inlets angled flange: 77,5x90mm fixing center: 45x78mm	IP54	10	 FW711506CC
FW713304CC FW713304SK	FW713306CC FW713306SK	FW713309CC FW713309SK	FW713307CC FW713307SK	16 16	3 3	CEE NEO panel appliance inlets angled flange: 86 x 86 mm fixing center: 69,5 x 69,5 mm	IP54	10	 FW713306CC
FW713404CC	FW713409CC	FW713406CC	FW713407CC	16	4	CEE NEO panel appliance inlets angled flange: 86 x 86 mm fixing center: 69,5 x 69,5 mm	IP54	10	 FW713406CC
FW713504CC FW713504SK FW713504PH	FW713509CC FW713509SK FW713509PH	FW713506CC FW713506SK FW713506PH	FW713507CC FW713507SK FW713507PH	16 16 16	5 5 5	CEE NEO panel appliance inlets angled flange: 86 x 86 mm fixing center: 69,5 x 69,5 mm	IP54	10	 FW713506CC

Item no. endings: CC = cage tension spring, SK = screw connection, PH = phase inverter

# CEE NEO PANEL APPLIANCE INLETS ANGLED 32 A

Item number				Ampère	Poles	Version	Protection category	Packaging unit	
110 V 50 60 Hz 4h	230 V 50 60 Hz 6h 9h	400 V 50 60 Hz 6h 9h	500 V 50 60 Hz 7h						
FW731304CC FW731304SK	FW731306CC FW731306SK	FW731309CC FW731309SK	FW731307CC FW731307SK	32 32	3 3	CEE NEO panel appliance inlets angled flange: 115 x 115 mm fixing center: 98 x 98 mm	IP54	10	 FW731306CC
FW731404CC	FW731409CC	FW731406CC	FW731407CC	32	4	CEE NEO panel appliance inlets angled flange: 115 x 115 mm fixing center: 98 x 98 mm	IP54	10	 FW731406CC
FW731504CC FW731504SK FW731504PH	FW731509CC FW731509SK FW731509PH	FW731506CC FW731506SK FW731506PH	FW731507CC FW731507SK FW731507PH	32 32 32	5 5 5	CEE NEO panel appliance inlets angled flange: 115 x 115 mm fixing center: 98 x 98 mm	IP54	10	 FW731506CC
FW733304CC FW733304SK	FW733306CC FW733306SK	FW733309CC FW733309SK	FW733307CC FW733307SK	32 32	3 3	CEE NEO panel appliance inlets angled flange: 86 x 86 mm fixing center: 69,5 x 69,5 mm	IP54	10	 FW733306CC
FW733404CC	FW733409CC	FW733406CC	FW733407CC	32	4	CEE NEO panel appliance inlets angled flange: 86 x 86 mm fixing center: 69,5 x 69,5 mm	IP54	10	 FW733406CC
FW733504CC FW733504SK FW733504PH	FW733509CC FW733509SK FW733509PH	FW733506CC FW733506SK FW733506PH	FW733507CC FW733507SK FW733507PH	32 32 32	5 5 5	CEE NEO panel appliance inlets angled flange: 86 x 86 mm fixing center: 69,5 x 69,5 mm	IP54	10	 FW733506CC

Item no. endings: CC = cage tension spring, SK = screw connection, PH = phase inverter

# CEE NEO EXTENSION CABLES

Item number		Ampère	Poles	Version	Rubber cable length	Pro-tection category	Weight (kg)	
230 V 50   60 Hz 6h   9h	400 V 50   60 Hz 6h							
39100301050100		16	3	CEE NEO	5 m H07RN-F 3G1,5 5 m H07RN-F 3G2,5 10 m H07RN-F 3G1,5 10 m H07RN-F 3G2,5 25 m H07RN-F 3G1,5 25 m H07RN-F 3G2,5 50 m H07RN-F 3G1,5 50 m H07RN-F 3G2,5	IP 54	1,1 1,4 1,9 2,6 4,4 6,1 8,5 12,0	 39100301050100x
	39100501050100 39100502050100 39100501100100 39100502100100 39100501250100 39100502250100 39100501500100 39100502500100	16	5	CEE NEO	5 m H07RN-F 5G1,5 5 m H07RN-F 5G2,5 10 m H07RN-F 5G1,5 10 m H07RN-F 5G2,5 25 m H07RN-F 5G1,5 25 m H07RN-F 5G2,5 50 m H07RN-F 5G1,5 50 m H07RN-F 5G2,5	IP54	1,6 2,3 2,8 4,0 6,5 9,2 12,4 17,8	 39100501100100x
	39100501050102 39100502050102 39100501100102 39100502100102 39100501250102 39100502250102 39100501500102 39100502500102	16	5	CEE NEO with plug as phase inverter	5 m H07RN-F 5G1,5 5 m H07RN-F 5G2,5 10 m H07RN-F 5G1,5 10 m H07RN-F 5G2,5 25 m H07RN-F 5G1,5 25 m H07RN-F 5G2,5 50 m H07RN-F 5G1,5 50 m H07RN-F 5G2,5	IP54	1,6 2,2 2,8 3,9 6,5 9,1 12,4 17,7	 39100502100102
	39300504050100 39300506050100 39300504100100 39300506100100 39300504250100 39300506250100 39300504500100 39300506500100	32	5	CEE NEO	5 m H07RN-F 5G4 5 m H07RN-F 5G6 10 m H07RN-F 5G4 10 m H07RN-F 5G6 25 m H07RN-F 5G4 25 m H07RN-F 5G6 50 m H07RN-F 5G4 50 m H07RN-F 5G6	IP 54	3,1 3,9 5,5 7,2 12,8 16,9 24,9 33,2	 39300506100100
	39300504050102 39300506050102 39300504100102 39300506100102 39300504250102 39300506250102 39300504500102 39300506500102	32	5	CEE NEO with plug as phase inverter	5 m H07RN-F 5G4 5 m H07RN-F 5G6 10 m H07RN-F 5G4 10 m H07RN-F 5G6 25 m H07RN-F 5G4 25 m H07RN-F 5G6 50 m H07RN-F 5G4 50 m H07RN-F 5G6	IP 54	3,1 3,9 5,5 7,1 12,8 16,9 24,9 33,1	 39300506100102

## CEE NEO IPD

	39100502050200 39100502100200 39100502250200	16	5	CEE NEO IPD	5 m H07RN-F 5G2,5 5 m H07RN-F 5G2,5 5 m H07RN-F 5G2,5	IP54	2,3 4,0 9,2	 39100502050200
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# CEE NEO ACCESSORIES

Item number	Mounting	Plug	Protec-tion type	Cable length	Housing dimensions (H/W/D) mm Weight kg	
39100502250320	<p><b>Cable drum 400 V</b>  <b>Plug 16 A 5-pole 400 V 6h</b>  <b>25 m H07RN-F5G2.5</b></p> <p>Drum body made of unbreakable synthetic rubber, resistant to chemicals, oils and petrol, temperature resistant from -20 °C to +70 °C  Protection class II  1 CEE panel socket 5 x 16 A,  Type FW410506CC  3 earthed sockets, type 10002  1 thermal circuit breaker 3-pole  25 m rubber hose cable  H07RN-F5G2.5 with CEE plug 5 x 16 A  Typ FW210506CC  Overall protection class IP54  Rated current: 16 A</p>	1	IP54	25 m	367 x 310 x 263  9,9 kg	
64X0102	<p><b>X-BoxX, solid rubber</b>  <b>Colour black</b></p> <p>1 housing 64X with suspension bracket  unbreakable, ageing-, acid- and  and alkali-resistant housing, all  external metal parts made of  stainless steel, protection class II  1 CEE panel socket 5 x 16 A,  Type FW410506CC  2 earthed sockets, type 10002  2 m connection cable H07RN-F5G2.5  with CEE plug 5 x 16 A,  type FW210506CC  Overall protection type: IP54</p>	1	IP54	2 m	111 x 157 x 103  1,8 kg	
6410201N	<p><b>Portable solid rubber table trip</b>  <b>Black color</b></p> <p>1 housing 641 with carrying handle  unbreakable, ageing-, acid- and  and alkali-resistant housing.  all external metal parts made of  stainless steel, protection class II  1 transparent cover 6 TE  2 CEE panel sockets 5 x 16 A  Type FW410506CC  2 circuit breakers (MCB) 3-pole 16 A C  2 m connection cable H07RN-F5G6 with  CEE plug 5 x 32 A, type FW230506CC  Overall protection type: IP54</p>	1	IP54	2 m	90 x 463 x 150  5,5 kg	



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WALTHER-WERKE | Ferdinand Walther GmbH  
Ramsener Straße 6 | 67304 Eisenberg