



**NEN**

## **Commissieplan 2016**

Normcommissie 364023 – NEC 23 “Elektrotechnisch  
installatiematerieel”

**Normalisatie:** de wereld op één lijn.

## COMMISSIEPLAN 2016



### NORMCOMMISSIE

364023, Elektrotechnisch installatiematerieel

### DATUM

2016-01-01

### NEN Elektro & ICT

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## 1 Algemene gegevens

### 1.1 Commissie

364023, Elektrotechnisch installatiematerieel

### 1.2 Werkgebied

IEC/TC 23: Electrical accessories heeft als scope : to coordinate the work between the different subcommittees of TC 23 and with other technical bodies within and outside IEC.

To prepare standards for electrical accessories for household and home and building electronic systems and similar purposes, the word “similar” including locations such as offices, commercial and industrial premises, hospitals, public buildings, etc.

These accessories:

- are intended for fixed installations (including HBES installation), or for use in or with appliances and other electrical or electronic equipment, and may include electronic components.
- are normally installed by instructed or skilled persons and are normally used by ordinary persons.

Include, in particular:

- conduit systems
- cable trunking systems
- cable ducting systems
- cable support systems
- switches (mechanical and electronic)
- Home and Building Electronic Systems (HBES)
- HBES switches and related accessories for use in Home and Building Electronic Systems (HBES)
- plugs and socket-outlets
- cable reels
- cord extension sets and cord sets
- Devices for the Connection of Luminaires (DCLs)
- adaptors
- circuit breakers for overcurrent protection
- devices protecting against electric shock
- contactors
- connecting devices
- enclosures for accessories
- appliance couplers
- electrical Energy Efficiency products.

Note 1) For the terms "instructed persons", "skilled persons", and "ordinary persons" see Publication IEC 61140; 3.30, 3.31 and 3.32.

A lot of standards for these products are handled by the subcommittees of TC 23. But some products are under the direct responsibility of TC 23 due to their nature, such as :

- a) Standards for single phase and multiphase installation couplers intended for permanent connection in fixed installations with a rated voltage up to and including 500 V a.c. and a rated connecting capacity up to and including 10 mm<sup>2</sup> in indoor electrical installations.
- b) Standards for sound signalling devices with integral enclosures or sound signalling devices intended to be fitted into or supplied with enclosures according to IEC 60670 intended for household and similar purposes with rated voltages greater than 50 V a.c. or 75 V d.c. and not exceeding 250 V a.c. or 250 V d.c., and with rated power inputs not exceeding 100 VA.
- c) Standards for Electrical safety, Environmental Conditions, Functional Safety, EMC and Installation of HBES
- d) Standards for clamping units for connecting devices for the connection of electrical conductors having a cross-sectional area of 0,2 mm<sup>2</sup> up to and including 35 mm<sup>2</sup> copper conductors and up to and including 50 mm<sup>2</sup> aluminium conductors with a rated voltage not exceeding 1000 V a.c. and 1500 V d.c. intended for household and similar purposes.
- e) Standards for connecting devices as separate entities for the connection of two or more electrical conductors having a cross-sectional area of 0,2 mm<sup>2</sup> up to and including 35 mm<sup>2</sup> copper conductors and up to and including 50 mm<sup>2</sup> aluminium conductors with a rated voltage not exceeding 1000 V a.c. and 1500 V d.c. intended for household and similar purposes.
- f) Standards for male and mating female flat quick-connect terminations for use as either an incorporated or an integrated part of an equipment or of a component, or as a separate entity, for connecting electrical copper conductors up to and including 6 mm<sup>2</sup> with a rated voltage not exceeding 1000 V a.c. and 1500 V d.c. intended for household and similar purposes.

TC 23 has Group Safety Function for:

Connecting devices, either as separate entities or as integral parts of an end product, primarily for connecting external electrical supply conductors, for use with conductor cross-sectional area of 0,2 mm<sup>2</sup> up to and including 35 mm<sup>2</sup> copper conductors and up to and including 50 mm<sup>2</sup> aluminium conductors, but excluding connecting devices intended for data and signal circuits.

CLC/TC 23BX: Switches, boxes and enclosures for household and similar purposes, plugs and socket outlets for d.c. and for the charging of electrical vehicles including their connectors heeft als scope:

- a) To prepare standards for general purpose switches including electronic switches, time-delay switches, remote control switches and isolating switches, Fireman's switches, for a.c. only, with rated voltage not exceeding 440 V, and with a maximum rated current not exceeding 125 A, intended for household and similar purposes, either indoors or outdoors.
- b) To prepare standards for switches and related accessories for use in Home and Building Electronic Systems (HBES), with a working voltage not exceeding 250 V a.c. and a rated current up to and including 16 A, intended for household and similar purposes, either indoors or outdoors and to associate electronic extension units.

c) To prepare standards for general purpose plugs and fixed and portable socket-outlets, with a rated voltage not exceeding 440 V d.c. and a rated current not exceeding 10A, intended to be used in restricted access areas where only skilled or instructed people have access.

d) To prepare standards for general purpose boxes and enclosures for household devices, boxes and enclosures with provision for suspension means, connecting boxes and enclosures, floor boxes and enclosures, enclosures for housing protective devices and similar power consuming devices with a rated voltage not exceeding 440 V, intended for household and similar purposes, either indoors or outdoors.

e) To prepare standards for ancillary products which relate to/incorporate products covered by a), b), c), e.g. luminaire couplers, adaptors/cable reels, indicator light units, etc.

f) To prepare standards for socket-outlet (socket outlets and plugs) - connector (connectors and inlets) configurations for conductive charging of electric vehicles, including plug-in hybrid road vehicles.

CLC/TC 23E: Circuit breakers and similar devices for household and similar applications heeft als scope: To prepare harmonized standards for electrical circuit breakers for overcurrent protection, devices protecting against electric shock and all related accessories. These devices are used for household and similar purposes. The word "similar" includes locations such as offices, commercial and industrial premises, hospitals, public buildings etc. This equipment is intended for fixed installations or for use in or with appliances or other equipment. This equipment may include electronic components.

CLC/TC 213: Cable management systems heeft als scope: To prepare European standardization publications for products and systems used to the management of all types of cables, information and communication lines, electrical power distribution conductors and associated accessories.

Management includes support and/or containment and/or retention and/or protection against external influences

## 2 Commissiestructuur en relaties

### 2.1 Nationale structuur

Commissie	Naam
364023	NEC 23 "Elektrotechnisch installatiematerieel"
36402301	NEC 23A "Buizen en leidingen voor elektrische doeleinden"
36402302	NEC 23BGHJKZ "Stopcontacten voor huishoudelijk en industrieel gebruik, toestelschakelaars, schakeltoestellen voor huishoudelijk en soortgelijk gebruik en producten voor huishoudelijk en soortgelijk gebruik voor de bewaking en sturing van efficiënt energiegebruik"
36402303	NEC 23E "Installatie-automaten en aardlekschakelaars"

## 2.2 Internationale relaties

Commissie	Naam	Binding
IEC/TC 23	Electrical accessories	P
IEC/SC 23A	Cable management systems	P
IEC/SC 23B	Plugs, socket-outlets and switches	P
IEC/SC 23E	Circuit-breakers and similar equipment for household use	P
IEC/SC 23G	Appliance couplers	P
IEC/SC 23H	Plugs, Socket-outlets and Couplers for industrial and similar applications, and for Electric Vehicles	P
IEC/SC 23J	Switches for appliances	P
IEC/SC 23K	Electrical Energy Efficiency products	P
CLC/TC 213	Cable management systems	P
CLC/TC 23BX	Switches, boxes and enclosures for household and similar purposes, plugs and socket outlets for d.c. and for the charging of electrical vehicles including their connectors	P
CLC/TC 23E	Circuit breakers and similar devices for household and similar applications	P

## 3 Commissiesamenstelling en stakeholdercategorieën

Ledenbestand per 2015-12-31

Naam persoon	Werkgever	Belanghebbende	Rol	Categorie stakeholder
<b>NEC 23</b>				
drs. R.D. van Buuren	Voedsel en Waren Autoriteit	Min. Van VWS	lid	9
C.A. Bontenbal	Isolectra	Isolectra	lid	5a
ir. A.K. Havenith	NEN		secretaris	
<b>NEC23A</b>				
ing. R.C. de Boer	Pipelife	Bureauleiding	lid	5a
ir. R.I. Horváth	Minkels B.V.	Minkels B.V.	lid	5a
drs. H.A. Koopman	Attema	Attema	lid	5a
ir. A.K. Havenith	NEN		secretaris	
<b>NEC 23BGHJKZ</b>				
drs. H.A. Koopman	Attema	Attema	voorzitter	5a
H.R.M. Barends	DEKRA	DEKRA	lid	8
M.A.R. Bollen	DEKRA	DEKRA	lid	8

M.A.A.M. Wennekes	ABB	ABB	lid	5a
E. van Wilgenburg	Voedsel en Waren Autoriteit	Min. van VWS	lid	9
ir. A.K. Havenith	NEN		secretaris	
<b>NEC 23E</b>				
ing. H. Vlutters	Eaton Industries	Eaton Industries	voorzitter	5a
drs. R.D van Buuren	Voedsel en Waren Autoriteit	Min. van VWS	lid	9
ing. P. Castenmiller	Hager Electro	Hager Electro	lid	5a
ing. J.C. de Koning	Schneider	Schneider	lid	5a
R..H.M. Niehoff	Eaton Industries	Eaton Industries	lid	5a
F. Strikwerda	Dekra	Dekra	lid	8
M.A.A.M. Wennekes	ABB	ABB	lid	5a
ir. A.K. Havenith	NEN		secretaris	

### Stakeholdercategorie

1a	Directe gebruikers	5a	Producenten / leveranciers van hoofdproduct
1b	Brancheorganisaties directe gebruikers	5b	Brancheorganisaties van producenten / leveranciers van hoofdproduct
2a	Voorwaarde scheppende organisaties / opdrachtgevers	6a	Producenten / leveranciers van aanhangende producten en diensten
2b	Brancheorganisaties van voorwaarde scheppende partijen	6b	Brancheorganisaties van producenten / leveranciers van aanhangende producten en diensten
3a	Adviserende organisaties	7	Onderzoek- en kennisinstellingen
3b	Brancheorganisaties van adviserende partijen	8	Controlerende instanties
4a	Uitvoerende / toepassende / dienstverlenende organisaties	9	Wetgevende instanties
4b	Brancheorganisaties van uitvoerende / dienstverlenende organisaties	10	Bestaande/nieuwe initiatiefnemers
		11	Contextbepalers groter geheel

### Review belanghebbenden:

Laatste review belanghebbende partijen in normcommissie: doorlopend

Eerstvolgende review belanghebbende partijen in normcommissie: 2016

## 4 Publicaties

Normnummer	Titel
<b>NEC 23</b>	
NEN-EN-IEC 60320-3	Toestelstopcontacten voor huishoudelijk en dergelijk algemeen gebruik - Deel 3: Standaardbladen en kalibers
<b>NEC 23A</b>	
NEN-EN-IEC 61386-serie	Systemen van buizen voor het onderbrengen van elektrische leidingen
NEN-EN-IEC 62275	Systemen voor leidingaanleg - Bevestigingsbandjes voor leidingen in elektrische installaties
<b>NEC 23 BGHJKZ</b>	
NEN-EN-IEC 60309-serie	Stopcontacten voor industrieel gebruik
NEN-EN-IEC 62196 serie	Contactstoppen, contactdozen, voertuigcontactstoppen en voertuigcontactdozen - Het via een leiding opladen van elektrische voertuigen.
<b>NEC 23E</b>	
Normnummer	Titel
NEN-EN-IEC 61008-1	Aardlekschakelaars zonder ingebouwde overstroombeveiliging voor huishoudelijk en soortgelijk gebruik(RCCB's) - Deel 1: Algemene bepalingen
NEN-EN-IEC 61009-1	Aardlekschakelaars met ingebouwde overstroombeveiliging voor huishoudelijk en soortgelijk gebruik (RCBO's) - Deel 1: Algemene bepalingen

Een overzicht van de normen gepubliceerd voor normcommissie NEC 23 staat op de website van NEN. Ga op [www.NEN.nl](http://www.NEN.nl) naar zoeken en vul als zoekterm NEC 23 "Elektrotechnisch installatiematerieel" in.

## 5 Werkprogramma, doelstellingen en geplande activiteiten

### 5.1 Nationaal werk

Normcommissie 364023 en haar subcommissies treden op als schaduwcommissie voor IEC/TC 23, IEC/SC 23A, IEC/SC 23B, IEC/SC 23E, IEC/SC 23G, IEC/SC 23H, IEC/SC 23J, IEC/SC 23K, CLC/TC 23BX, CLC/TC 23E, CLC/TC 213

### 5.2 CEN/CENELEC werk

Normnummer	Titel
<b>CLC/TC 23BX</b>	
EN 60669-serie	Switches for household and similar fixed electrical installations
EN 60670-serie	Boxes and enclosures for electrical accessories for household and similar fixed electrical installations

### CLC/TC 23E

- EN 61008-serie Electrical accessories - Residual current operated circuit-breakers without integral overcurrent protection for household and similar uses (RCCB's)
- EN 61009-serie Residual current operated circuit-breakers with integral overcurrent protection for household and similar uses (RCBO's)

### CLC/TC 213

- EN 61534-serie Powertrack systems

- EN 61386-serie Conduit systems for cable management

De werkprogramma's van de CLC TCs kunnen gevonden worden op de website van CENELEC. (Ga op [www.cenelec.eu](http://www.cenelec.eu) naar Standards Development – List of Technical Bodies).

### 5.3 ISO/IEC werk

Normnummer	Titel
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#### IEC/SC 23A

- |                 |   |
|-----------------|---|
| IEC 61084 serie | Cable trunking and ducting systems for electrical installations |
|-----------------|---|

- |           |   |
|-----------|---|
| IEC 61914 | Cable cleats for electrical installations |
|-----------|---|

#### IEC/SC 23B

- |                 |   |
|-----------------|---|
| IEC 60884-serie | Plugs and socket-outlets for household and similar purposes |
|-----------------|---|

- |                 |  |
|-----------------|--|
| IEC 60670-serie | Boxes and enclosures for electrical accessories for household and similar fixed electrical installations |
|-----------------|--|

#### IEC/SC 23H

- |                 |  |
|-----------------|--|
| IEC 62196-serie | Plugs, socket-outlets and vehicle couplers - Conductive charging of electricity vehicles |
|-----------------|--|

- |           |   |
|-----------|---|
| IEC 62613 | Plugs, socket-outlet, connectors and ship inlets for HVSC-System (High Voltage Shore Connection System) |
|-----------|---|

#### IEC/SC 23J

- |                 |                         |
|-----------------|-------------------------|
| IEC 61058-serie | Switches for appliances |
|-----------------|-------------------------|

#### IEC/SC 23E

- |                |   |
|----------------|---|
| IEC 6898-serie | Circuit-breakers for overcurrent protection for household and similar installations |
|----------------|---|

De werkprogramma's van de IEC TCs kunnen gevonden worden op de website van IEC. (Ga op [www.iec.ch](http://www.iec.ch) naar Standards Development, List of Technical Committees & Subcommittees).



## 6 Lidmaatschappen van werkgroepen

### 6.1 Lidmaatschappen van Europese werkgroepen

Wergroepnummer	Wergroepnaam	Naam expert
CLC/TC 23BX/WG 3	Boxes and enclosures for electrical accessories for household and similar fixed electrical installations	M.A.A.M. Wennekes
CLC/TC 23BX/WG 9	EV	M.A.A.M. Wennekes
CLC/TC 23E/WG 1	Maintenance of TC 23E standards	ing. H. Vlutters R. Niehoff
CLC/TC 23E/WG 2	Self reclosing devices (SRD)	ing. H. Vlutters R. Niehoff
CLC/TC 213/WG 1	Cable trunking systems and cable ducting systems	ir. R.I. Horváth
CLC/TC 213/WG 5	Cable tray systems and cable ladder systems	ir. R.I. Horváth
CLC/TC 213/WG12	Articulated systems and flexible systems for cable guiding	ir. R.I. Horváth

### 6.2 Lidmaatschappen van mondiale werkgroepen

Wergroepnummer	Wergroepnaam	Naam expert
IEC/TC 23/MT 6	Installation couplers intended for permanent connection, maintenance of IEC 61535 Ed.1	C.A. Bontenbal
IEC/TC 23/WG 12	Home and Building Electronic Systems (HBES)	O. Deurloo (Philips)
IEC/SC 23A/MT 5	Cable trunking systems and cable ducting systems	ir. R. I. Horváth
IEC/SC 23A/MT 12	Cable tray systems and cable ladder systems	ir. R. I. Horváth
IEC/SC 23A/MT 19	Articulated systems and flexible systems for cable guiding	ir. R. I. Horváth
IEC/SC 23B/MT 5	Maintenance of IEC 60670-1 60670-21, 60670-22, 60670-23, 60670-24	M.A.A.M. Wennekes
IEC/SC 23B/JAHG16	Joint ad hoc Group 16	A. Prest (Philips)
IEC/SC 23B/JAHG17	Joint ad hoc Group 17	P. Boonen (Philips), L.Kastelein (Philips), A. Prest (Philips), G. Vanlier (Philips)
IEC/SC 23E/WG 1	Miniature circuit-breakers for domestic and similar purposes, and maintenance of IEC 60898 and 62019 series	F. Strikwerda ing. H. Vlutters R. Niehoff
IEC/SC 23E/WG 2	Shock-hazard protective devices and residual current monitors, and maintenance of IEC 61008, 61009 series; IEC 60755, 61540, 61543, 62020, IEC 62710	F. Strikwerda ing. H. Vlutters R. Niehoff
IEC/SC23E/WG 8	Protective devices for battery	ing. H. Vlutters

	powered vehicle applications	R. Niehoff
IEC/SC 23E/JWG 7	Protective devices for the charging of electrical vehicle	F. Strikwerda ing. H. Vlutters R. Niehoff
TC 23/SC 23G/MT 1	Maintenance of IEC 60320-1, IEC 60320-2-1, IEC 60320-2-3, IEC 60799	M. Bollen
IEC/SC 23H/MT 8	Maintenance of IEC 62196 series	R. Raaijmakers (ABB)

## 7 Evaluatie en voortgangsrapportage

### 7.1 Evaluatie over 2015

**7.2** Vanuit de normcommissie is inbreng geleverd aan het opstellen van verschillende wijzigingsbladen uit de IEC 60670-normenserie voor dozen en behuizingen. In het kader van het onderhoud van IEC 60884-1 zijn commentaren ingediend op een voorstel van maintenance team 4 van IEC 23B voor het opnemen van aanvullende eisen en van een high performance contactstop in de norm. Daarnaast is binnen de commissie gesproken over het opnemen van de huidige Nederlandse maatvoeringseisen voor dozen in een NL-aanvaardingsblad NEN-EN-IEC 60670-1 en over de toekomst van NEN 1020 die aan herziening toe is.

### 7.3 Vergaderingen

Nationale commissievergaderingen

NEC 23E: 11 februari 2015, 14 oktober 2015

NEC 23 B-Z: 8 juli 2015

Delegatie naar Europese vergaderingen

CLC/TC 23BX	Brussel, 19. 20 mei 2015	geen delegatie
CLC/TC 23E	Brussel, 10 juni 2015	R.H.M. Niehof
CLC/TC 213	Brussel, 26 maart 2015	geen delegatie

Delegatie naar mondiale vergaderingen

IEC/TC 23	Geen vergadering	
IEC/SC 23A	Geen vergadering	
IEC/SC 23B	Geen vergadering	
IEC/SC 23E	Geen vergadering	
IEC/SC 23G	Geen vergadering	
IEC/SC 23H	Geen vergadering	
IEC/SC 23J	Geen vergadering	
IEC/SC 23K	Geen vergadering	