

ENSTO WORKPOINT

The Solution for Flexible Workspace Electrification



WHERE TO PUT
THE SOCKETS?
ANYWHERE.





How to plan office electrification that adapts to constant change? Easy – make electricity and data follow people wherever they go. Ensto Workpoint has been developed to make work and life easier for designers, developers, electricians and end users. This brochure provides you with all the information you need on the various solutions the Ensto Workpoint range offers.



Ensto Workpoint

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WHERE TO PUT THE SOCKETS? ANYWHERE.

Ease – value – freedom

Ensto Workpoint maximizes freedom and mobility while minimizing costs throughout the life-cycle of a property.

People and companies are in constant flux – changing, growing, reorganizing and moving in, out and within. All new tenants and users have their own special requirements that create unwelcome extra costs. Ensto Workpoint provides the solution. It makes the space attractive for a wider variety of users and maximizes practicality and value while decreasing costs during building, use and refurbishing.

Wide range provides a solution for every space

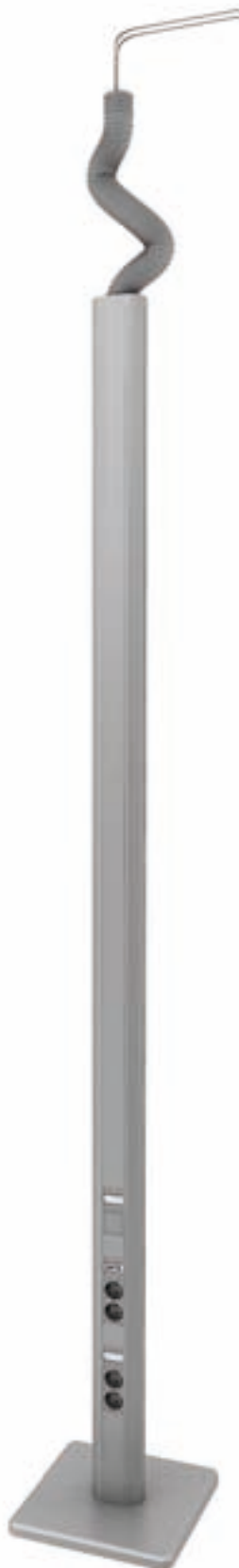
Ensto Workpoint solution enables you to move electrical and data connections according to changing needs. When compared with traditional methods it is in a class of its own in speed and flexibility of installation. The modular Ensto Workpoint service poles, mini posts and socket boxes fit every office type and full compatibility with the smart EnstoNet system raises efficiency to a new level.

Ensto Workpoint is part of Ensto's electrification concept:

- Workspace electrification
 - Service poles
 - Mini posts
 - Socket boxes
- Energy efficient motion detector luminaires
 - PIR-lighting
 - Radar-lighting
- EnstoNet installation system
- Electricity distribution cabinets with EnstoNet connectors

OFFICE ELECTRIFICATION AT A GLANCE

Ensto Workpoint



We have made it easy to find and choose smart and modifiable solutions for all office spaces and needs. With a click.

Standalone service poles easy to choose from a wide range

- Smart style, white and aluminium as colour options
- Halogen-free
- Several ceiling mounting options
- Dedicated feeds for normal and data electricity
- EnstoNet compatible
- Tested data cables
- Also available with RCCB (Residual Current Circuit Breaker)

Mini posts

- For open spaces without visual obstacles
- Under the table e.g. in a conference room
- Normal and data sockets
- Coupling cabling installation in the floor by using protective tube or directly through the raised floor
- Screw connectors for connecting cables



Socket boxes

- Desk installation
- Normal and data sockets
- Also available with RCCB
- Dedicated modules for data cabling

Create quick solutions with Ensto web tool

Design the best solutions for any space with the easy-to-use Ensto web tool. The tool menu provides suggestions based on pre-configured solutions, but you can also design custom solutions based on your specific needs using the wide variety of models, colours, components and accessories.



Please, test the web tool at:
www.ensto.fi/workpoint/tool

CONSTRUCTIVELY HOLISTIC APPROACH

EnstoNet, distribution cabinets and motion detector luminaires

Ensto Workpoint connects directly with the flexible EnstoNet installation system

In addition to making life easier for property owners and users, the Ensto Workpoint solution helps electricians work more efficiently as it connects directly with the flexible and popular EnstoNet installation system. The prefabricated EnstoNet makes electricity distribution faster and more affordable while also improving work and fire safety. The offering also includes

electricity distribution cabinets featuring EnstoNet connectors as well as user-friendly motion sensitive lighting control with energy efficient PIR and Radar luminaires.

Sustainable change

All Ensto products are designed and manufactured for a long life span and most components are reusable.



ENSTO WORKPOINT ELECTRIFICATION

Products

SERVICE POLES

Standalone service poles for varying needs

Data and electricity move according to need.

Easy solution – make winning designs where electricity and data move to wherever they are needed. Ensto Workpoint service poles complement the EnstoNet installation system and create the smartest way of distributing electricity in any office space flexibly and with style.

Wide range

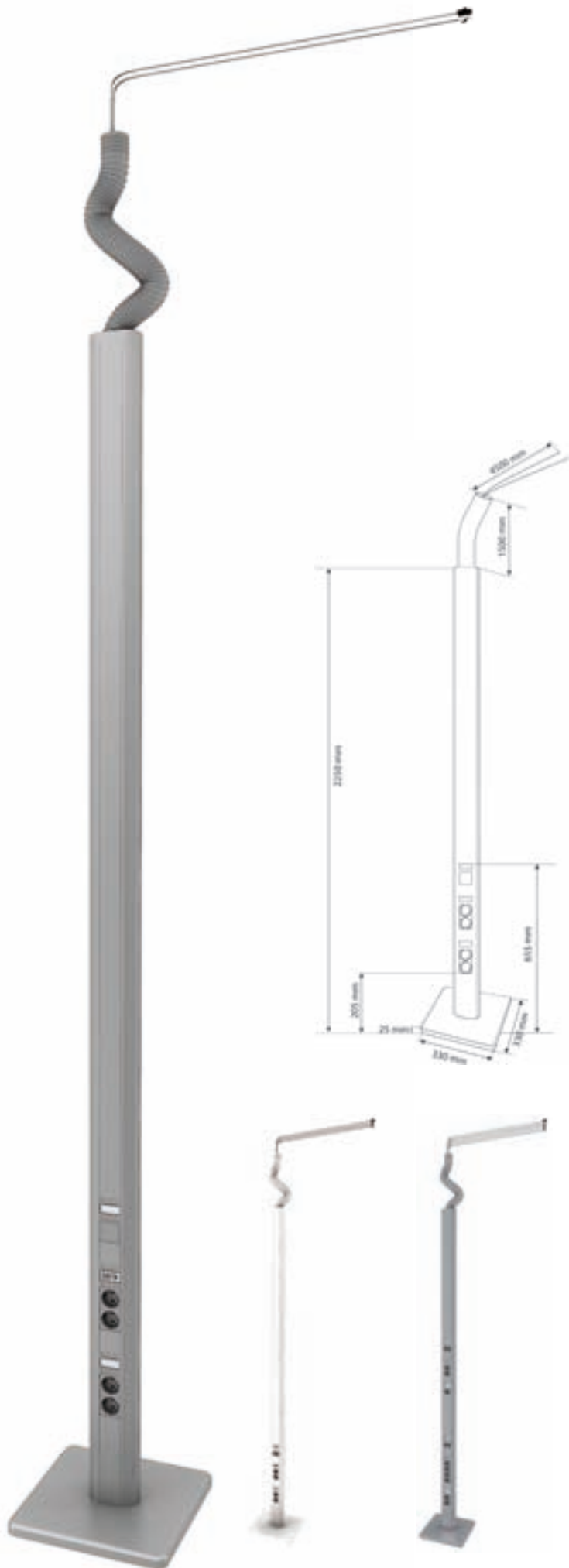
Find your perfect solution from the range covering over 50 models of prefabricated one- and two-sided aluminium service poles.

Colour options are white (RAL9010) and anodized aluminium. All materials are halogen-free. The service poles stand on a

solid base plate and are easy to move from place to place according to your needs. They can be fixed to the false ceiling, lighting rail, cable tray or concrete ceiling with a flexible tube and clamp.

The Ensto Workpoint solution works whether you are building new or refurbishing.

A clamp for false ceiling is a standard accessory, other fastening options can be ordered separately.



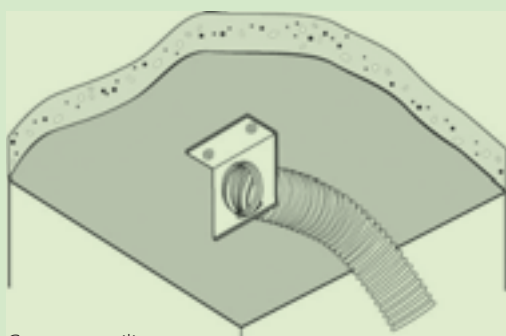
Features:

- Height: 2250 mm with base plate
- Material: aluminium
- Colour: white (RAL9010) or anodized aluminium
- Halogen-free
- Structure: 1- or 2-sided
- Socket outlets above or below desk-level
- Two base plate mounting options. Base plate included in package.
- Flexible 1.5m coupling cable cover tube
- EnstoNet-compatible, NAC31S.W and NAC31S.B
- 3 x 1.5 mm² connector cable, S05Z1Z1-F
- Tested data cables, CAT6, UTP
- Also available with RCCBs

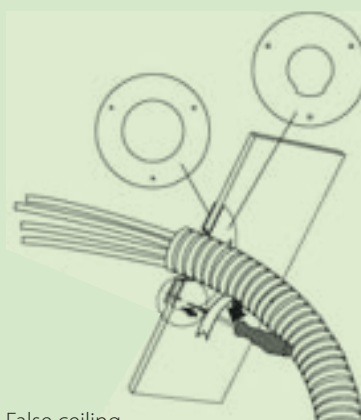
SERVICE POLES

Technical data

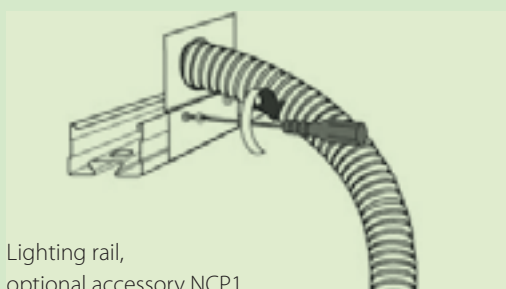
Mounting the flexible protective tube.



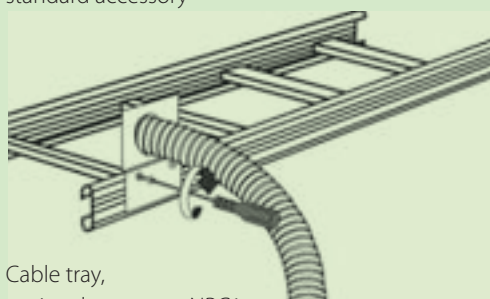
Concrete ceiling,
optional accessory NPC2



False ceiling,
standard accessory



Lighting rail,
optional accessory NCP1



Cable tray,
optional accessory NPC1

Accessories for service poles

Accessory	Type	Description
Phase rotation adapter, L1, white	NAL531T15002	Cable set for connecting a single phase appliance to a three phase distribution block. Length 0.2 m
Phase rotation adapter, L1, black	NAL531T15002B	Cable set for connecting a single phase appliance to a three phase distribution block. Length 0.2 m
Phase rotation adapter, L2, white	NAL532T15002	Cable set for connecting a single phase appliance to a three phase distribution block. Length 0.2 m
Phase rotation adapter, L2, black	NAL532T15002B	Cable set for connecting a single phase appliance to a three phase distribution block. Length 0.2 m
Phase rotation adapter, L3, white	NAL533T15002	Cable set for connecting a single phase appliance to a three phase distribution block. Length 0.2 m
Phase rotation adapter, L3, black	NAL533T15002B	Cable set for connecting a single phase appliance to a three phase distribution block. Length 0.2 m
Schuko adapter, white	NALS3M15002	Cable set for connecting an EnstoNet compatible appliance to a schuko socket. Length 0.2 m.
Schuko adapter, black	NALS3M15002B	Cable set for connecting an EnstoNet compatible appliance to a schuko socket. Length 0.2 m.
Cable shelving device, white	NPC1	Device for fastening flexible tube to lighting rail or cable shelving.
Ceiling mounting device, white	NPC2	Device for fastening flexible tube to e.g. concrete ceiling.

1-sided service poles

Equipment	Type							
	NPW1221	NPW1222	NPW1241	NPW1242	NPW1332	NPW1334	NPW1335	NPW1336
Socket outlets under table level (normal power)	2	2	2	2	3	3	3	3
Socket outlets under table level (data power)	2	2	4	4	3	3	3	3
RJ45 connectors under table level		2		2	2	4	4	2
Data network patch cords (2 m)			1					
Additional boxes for data communication (draw thread)	1						1	2
Length of patch cord	4.5 m	4.5 m	4.5 m	4.5 m	4.5 m	4.5 m	4.5 m	4.5 m

Equipment	Type									
	NPA1221	NPA1222	NPA1241	NPA1242	NPA1332	NPA1334	NPA1335	NPA1336	NPA1364	NPA1444
Socket outlets under table level (normal power)	2	2	2	2	3	3	3	3	2	2
Socket outlets above table level (normal power)									1	2
Socket outlets under table level (data power)	2	2	4	4	3	3	3	3	4	2
Socket outlets above table level (data power)									2	2
RJ45 connectors under table level		2		2	2	4	4	2	2	2
RJ45 connectors above table level									2	2
Data network patch cords (2 m)			1							
Additional boxes for data communication (draw thread)	1						1	2		
Length of patch cord	4.5 m	4.5 m	4.5 m	4.5 m	4.5 m	4.5 m	4.5 m	4.5 m	7 m	7 m

2-sided service poles

Equipment	Type										
	NPW2221	NPW2222	NPW2241	NPW2242	NPW2332	NPW2334	NPW2335	NPW2336	NPW2339	NPW2442	NPW2449
Socket outlets under table level (normal power)	2+2	2+2	2+2	2+2	3+3	3+3	3+3	3+3	2+2	4+4	3+3
Socket outlets above table level (normal power)									1+1		1+1
Socket outlets under table level (data power)	2+2	2+2	4+4	4+4	3+3	3+3	3+3	3+3	2+2	4+4	3+3
Socket outlets above table level (data power)									1+1		1+1
RJ45 connectors under table level		2+2		2+2	2+2	4+4	4+4	2+2	4+4		2+2
RJ45 connectors above table level											2+2
Data network patch cords (2 m)			1+1								
Additional boxes for data communication (draw thread)	1+1						1+1	2+2		2+2	
Length of patch cord	4.5 m	4.5 m	4.5 m	4.5 m	4.5 m	4.5 m	4.5 m	4.5 m	7 m	4.5 m	7 m

Equipment	Type												
	NPA2221	NPA2222	NPA2241	NPA2242	NPA2332	NPA2334	NPA2335	NPA2336	NPA2339	NPA2364	NPA2442	NPA2444	NPA2449
Socket outlets under table level (normal power)	2+2	2+2	2+2	2+2	3+3	3+3	3+3	3+3	2+2	2+2	4+4	2+2	3+3
Socket outlets above table level (normal power)									1+1	1+1		2+2	1+1
Socket outlets under table level (data power)	2+2	2+2	4+4	4+4	3+3	3+3	3+3	3+3	2+2	4+4	4+4	2+2	3+3
Socket outlets above table level (data power)									1+1	2+2		2+2	1+1
RJ45 connectors under table level		2+2		2+2	2+2	4+4	4+4	2+2	4+4	2+2		2+2	2+2
RJ45 connectors above table level										2+2		2+2	2+2
Data network patch cords (2 m)			1+1										
Additional boxes for data communication (draw thread)	1+1						1+1	2+2			2+2		
Length of patch cord	4.5 m	4.5 m	4.5 m	4.5 m	4.5 m	4.5 m	4.5 m	4.5 m	7 m	7 m	4.5 m	7 m	7 m

Service poles with RCCBs

Equipment	Type							
	NPA1221R	NPW1221R	NPA1222R	NPW1222R	NPA2221R	NPW2221R	NPA2222R	NPW2222R
Structure	1-sided	1-sided	1-sided	1-sided	2-sided	2-sided	2-sided	2-sided
Colour	Aluminium	White	Aluminium	White	Aluminium	White	Aluminium	White
Socket outlets under table level (normal power)	2	2	2	2	2+2	2+2	2+2	2+2
Socket outlets under table level (data power)	2	2	2	2	2+2	2+2	2+2	2+2
RJ45 connectors under table level			2	2			2+2	2+2
Data network patch cords (2 m)								
Additional boxes for data communication (draw thread)	1	1			1+1	1+1		
Length of patch cord	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
RCCB 30 mA	2	2	2	2	2	2	2	2

MINI POSTS

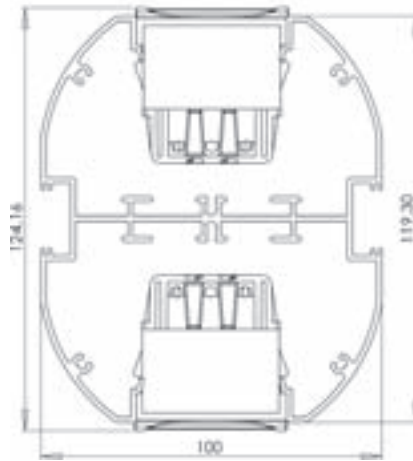
For spaces without visual obstacles

Mini posts can be installed invisibly and neatly under the table.

Mini posts for different needs

Two sizes, the 630 mm mini and even smaller 360 mm. The pole houses both normal and data sockets. Coupling cabling installation in the floor by using protective tube or directly through the raised floor.

Screw connectors for connecting cables. You can hide the short two-sided aluminium mini posts under desks and meeting room tables.



Features:

- Height: 360 mm or 630 mm
- Material: aluminium
- Colour: anodized aluminium
- Structure: 2-sided



	Type			
	NM32220	NM32201	NM64420	NM64401
Height	360	360	630	630
1-sided/2-sided	2	2	2	2
Colour	AL	AL	AL	AL
Number of Socket outlets (normal power)	2+2	2+2	4+4	4+4
Number of Socket outlets (data power)	2+2	2+2	4+4	4+4
Reservation for RJ45 connector	1+1	-	1+1	-
Grommet opening and strain relief for RJ45 cable	-	1+1	-	1+1

SOCKET BOXES

Simple and flexible installation

The easy, invisible desk solution.

Ensto socket boxes are an easy and cost-efficient way to provide electricity to office work spaces. The socket box fixed to the desk keeps cables neatly bunched and can be connected directly to the prefabricated EnstoNet installation system.

Socket boxes for normal and data secured electricity sockets and data communication connectors

The socket box range includes appliances that have socket outlets for normal electricity and boxes housing both normal and data sockets. All socket boxes are made of either aluminium or PVC.

Socket boxes with RCCB

Workpoint socket boxes are also available with pre-installed RCCB.

Data communication socket boxes

The range includes data communication cabling boxes that have either an empty socket or pre-installed RJ45-datacommunication connectors and cabling (CAT6, UTP).

Cable length is 7.5 m. Empty sockets can be fitted with 45 x 45 mm RJ45 cable channel front panels. When choosing the front panel, please make sure the cable has enough room to fit the socket.



Socket boxes with normal and data power and RJ45 data outlets

	Type							
	NSA22 NSP22	NSA30 NSP30	NSA33 NSP33	NSA40 NSP40	NSA42 NSP42	NSA44 NSP44	NSA60 NSP60	NSA952
Material	Aluminium PVC	Aluminium PVC	Aluminium PVC	Aluminium PVC	Aluminium PVC	Aluminium PVC	Aluminium PVC	Aluminium
Number of Socket outlets (normal power)	2	3	3	4	4	4	6	9
Number of Socket outlets (data power)	2		3		2	4		5
Number of RJ45 connector								2

Suitable EnstoNet cable sets can be found in the EnstoNet brochures and in www.ensto.com

Socket boxes with RCCB

	Type			
	NSA30R	NSA40R NSP40R	NSA41R NSP41R	NSA60R
Material	Aluminium	Aluminium PVC	Aluminium PVC	Aluminium
Number of Socket outlets (normal power)	3	4	4	6
Number of Socket outlets (data power)				
Number of RJ45 connector				
RCCB 30 mA	X	X	X	X



Data socket boxes

	Type			
	NDA20 NDP20	NDA40 NDP40	NDA21 NDP21	NDA41 NDP41
Material	Aluminium PVC	Aluminium PVC	Aluminium PVC	Aluminium PVC
Number of blind covers (RJ45)	2	4		
Number of RJ45 connectors and patch cables			2	4



Accessories

- NSC1 Fixing device, PVC
- NSC2 Protection cover, gray
- NSC3 Protection cover, white
- NSC4 Fixing device, metal



APPLICATIONS

Practical examples

CONFERENCE ROOM

Meeting room table with socket boxes

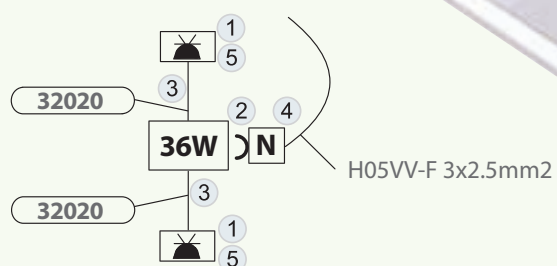
Ensto Workpoint adapts to the conference room in style.

The solution

With Ensto Workpoint solutions, you can create stylish spaces by making the cabling practically disappear. However, the socket outlets will be easily reached from around the table. The socket boxes are fixed to the table with separate fixing devices.



Connection scheme



Ensto Workpoint and EnstoNet products



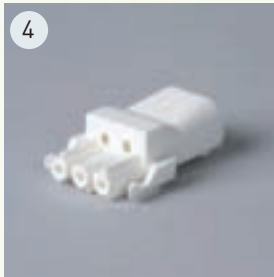
NSA60



NAD36.W



NAL330XXXXXX

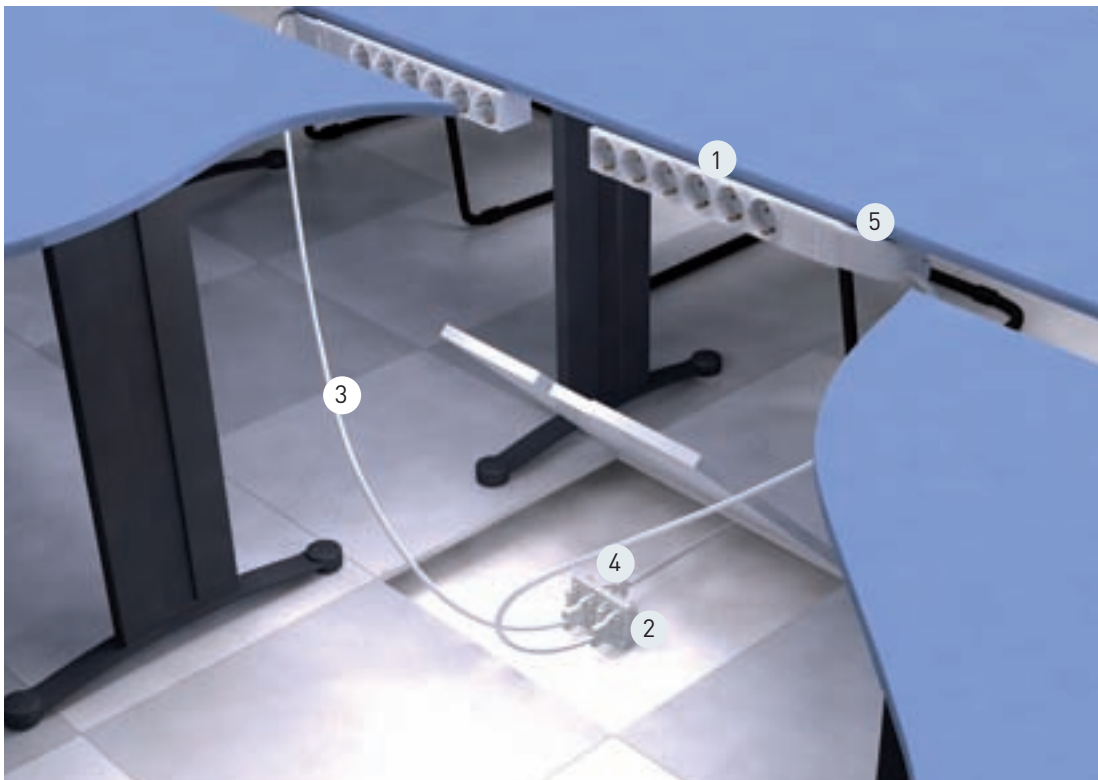


NAC32S.W



NSC2

Installation



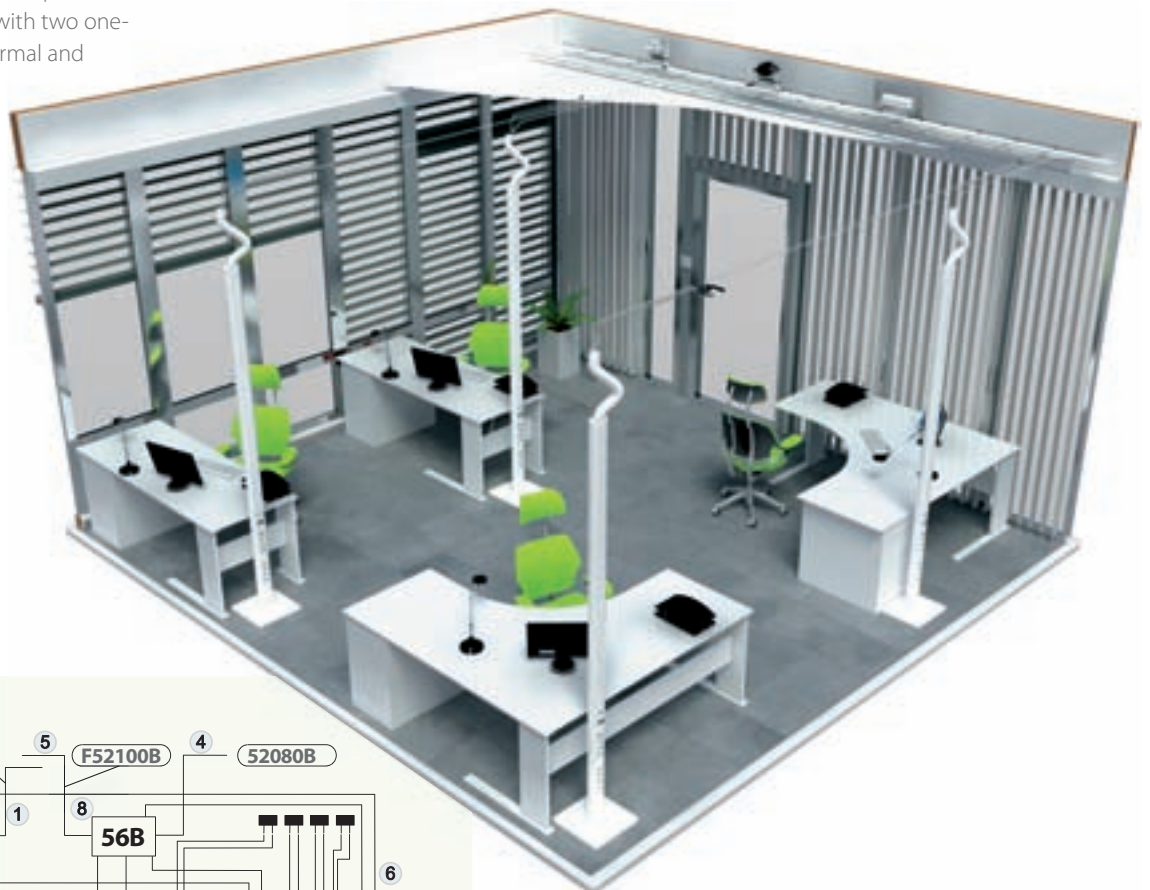
OFFICE

Workspace electrification with one-sided service poles

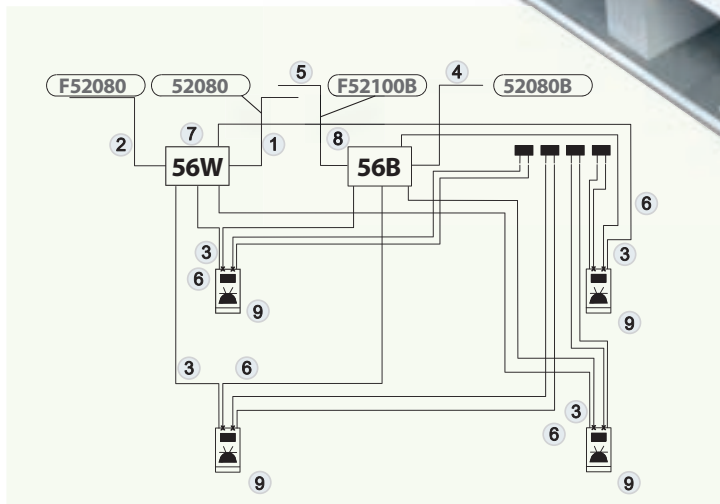
Ensto Workpoint offers a flexible solution for a versatile workspace.

The solution

Electrification with one-sided service poles is quick and the solution is adaptable to changing needs. Cabling with two one-phased feeds, separate normal and secured networks.



Connection scheme



Ensto Workpoint and EnstoNet products



NAL550XXXXX



NAL150XXXXX



Standard cable set is included. Free length 4.5 m or 7 m depending on the pole model.



NAL550XXXXXB



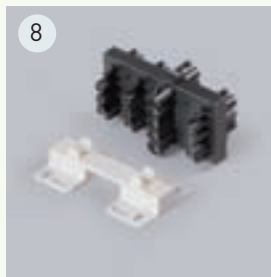
NAL150XXXXXB



Standard cable set is included. Free length 4.5 m or 7 m depending on the pole model.



NAD56.W

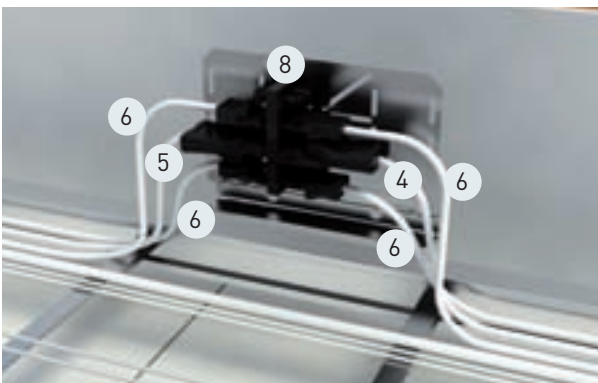
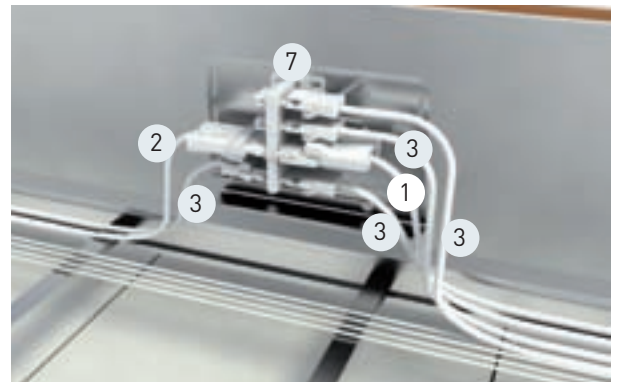


NAD56.B



NPW1332

Installation



Ensto Workpoint and EnstoNet products



1
NAL330XXXXXX



2
NAL330XXXXXB



3
Standard cable set is included.
Free length 4.5 m or 7 m depending
on the pole model.



4
Standard cabling set is included.
Free length 4.5 m or 7 m depending
on the pole model.



5
NAD3.W



6
NAD3.B

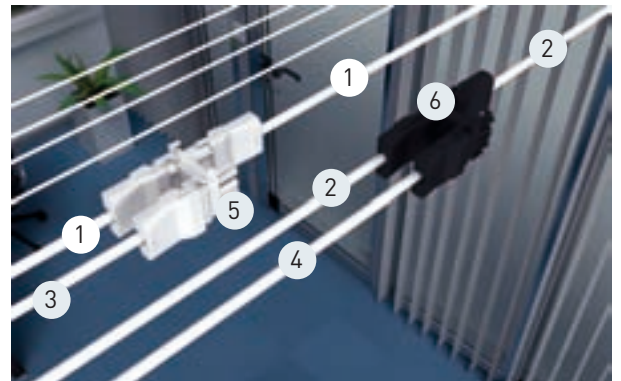


7
RJ45 data cables are included in the
pole package. Free length 4.5 m or 7 m
depending on the pole model.



8
NPW2332

Installation



OPEN PLAN OFFICE

Workspace electrification by socket boxes

The perfect solution for open plan offices.

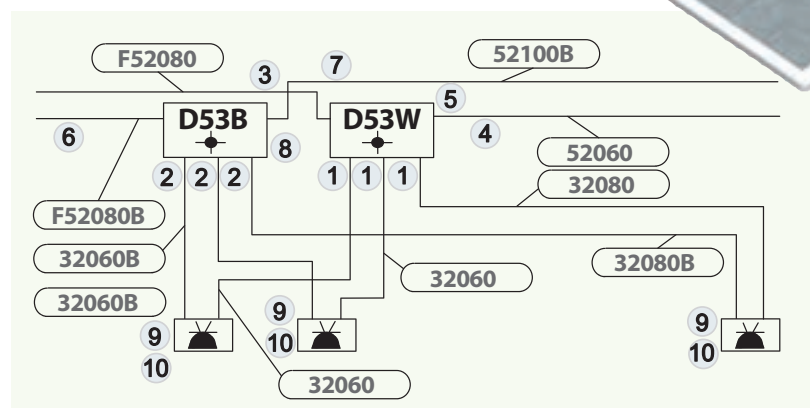
The solution

You can combine all Ensto Workpoint products to tailor a solution to cater to the many – and constantly changing – needs in your office space. This open plan office shows the use of Ensto Workpoint socket

boxes that have been developed for open plan offices, that are demanding spaces to plan and build functional electrification for.



Connection scheme



Ensto Workpoint and EnstoNet products



NAL330XXXXXX



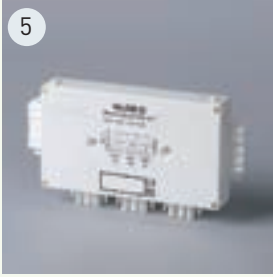
NAL330XXXXXXB



NAL150XXXXXX



NAL550XXXXXX



NAJDM53



NAL150XXXXXB



NAL550XXXXXB



NAJDM53.B

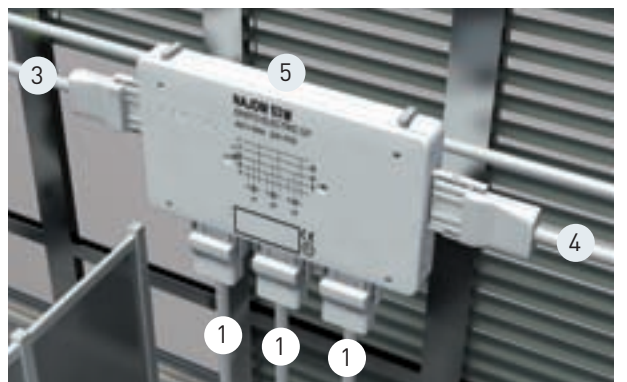
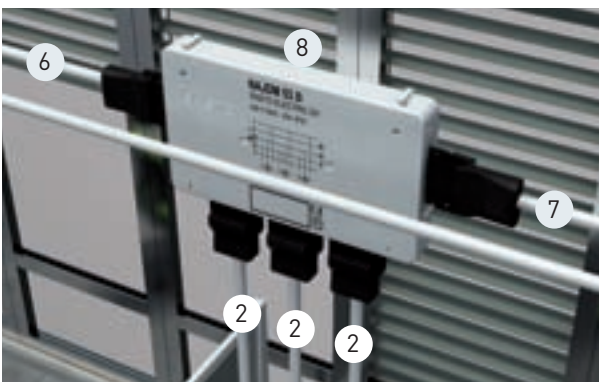


NSA22



NSC2

Installation





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