

# xSpider version 3.2

DEMO – Automatic dimensioning of cables and protective devices

Instructional presentation



































Powering Business Worldwide







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Paste from D Copy to Clipboard Find Deselect all Undo Redo Line Circle	Rectangle Text Erase Move Copy Stretch 🗹 Grid 🗌 Ortho	값? Check the network connection logic	
Clipboard Find and Select Edit	Draw Modify Drawing aids	aut Voltage drops and load distribution	
🖻 Tool Box x		37 Check the entire network: 3-phase symmetric short circuit lk3p	Property Grid X
Favourites	Net years	Check the entire network: 1-phase short circuit lk1p	Nothing has been selected
· · · · · · · · · · · · · · · · · · ·		Relectivity (comparison of circuit-breakers in project)	
Automatic dimensioning parameter settings (user preferences se	ttings) X	At Cable and protective device dimensioning	
By Automatic annensioning parameter settings (aser preferences se	xing-)		
Cables	~	· · · · · · · · · · · · · · · · · · ·	
Preferred standard name (= a set of regulations and standards defining t.	GENERAL = Common types (noname)	Design mode (Automat	tic Dimonsioning).
Maximum cable phase wire cross-section for common lines [mm <sup>2</sup> ]	240	Design mode (Automat	tie Dimensioning).
Maximum cable phase wire cross-section for socket outlet lines [mm <sup>2</sup> ]	16	C Due Cable and wrate	
Maximum cable phase wire cross-section for lighting outlets lines [mm <sup>2</sup> ]	2.5	b. Run Cable and prote	ective dimensioning
Cable conductor material	Copper (Cu)		/ · • L L
Cable insulation material	PVC	Tunction Calculation	i menu (ribbon menu
Max allowed number of parallel branches for common lines	9		`
Max allowed number of parallel branches for socket outlet line	1	Home tab)	
Max allowed number of parallel branches for lighting outlets line	1	And PAGE AND	
Busbar systems		7 Click on <b>Ves</b> button t	o check user
Preferred standard name (= a set of regulations and standards defining t.	GENERAL = Common types (noname)	7. CICK OIT ICS DUCCOIT	O CHECK USCI
Conductor material	Aluminium (Al)	nroforoncoc cottingc	
Design	Sandwich design	preferences settings	
Max allowed number of parallel branches for common lines	2		
Circuit-breakers		Prepared by Bavata Central Cen	
Preferred device category order = preferred mechanical design	MCB; MPCB; MCCB; ACB	the dialog box	k that follows, set the preferred
Preferred type range of MCB and MPCB category = preferred area of ap	Residential = e.g. xPole series 🔹	DEMO	regulations and standards
Preferred minimum switching capacity Icn for MCB category	10kA 🗸 🗸	standard (set of	regulations and standards
		defining the pro	duct line) the mechanical
Preferred type range of MCB and MPCB category = preferred area of application MCB = Miniature Circuit Breaker; MPCB = Motor Protective Circuit Breaker Select one of the offered values.		denning the pro	duct line j, the meenaned
		design, the scop	e of use and other parameters
		for cobles, proto	ative and ewitching devices that
		for cables, prote	cuve and switching devices that
Parton defaulte		will be automati	cally dimensioned
Nestore defaults OK Cance		will be automati	Curry Curric 1310 Curre Osnap Ortho

**Click for next slide** 

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X=435.0, Y=15.0 Snap Grid Osnap Ortho

Tag



#### DEMO-EN-Network - xSpider 3.2.1

3-phases (L1,L2,L3)

Configuration for groupin... Single layer on wall, floor,

0

Property Grid
 Line - Cable (3)

Connected phase(s)

Number of parallel lines dUmax [%] Maximum vol... Method of installation Define installation

Number of additional circ...

Ta [°C] Ambient tempera... 30

Line - Cable L [m] Length

<u>Design mode</u> (Automatic Dimensioning) in existing older projects:
1. Select cable, protective or switching device(s). Use selection window to select more symbols of the same type.

- 2. In Property Grid switch ON Automatic Dimensioning option.
- 3. Run **Cable and protective dimensioning** function **Calculation** menu (ribbon menu **Home** tab).









# More information available at the address:

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