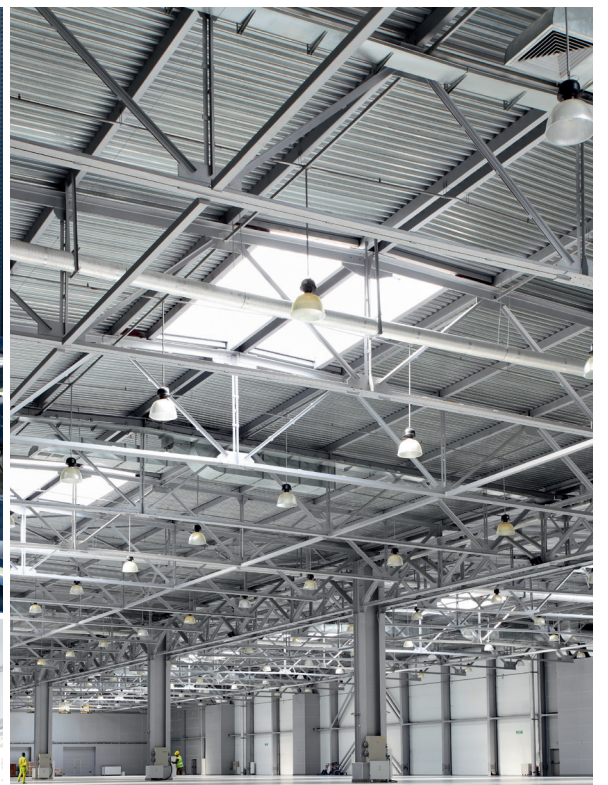


## The flexible busbar for industry and building

From the inventor of safe electrical installation





# Quick and safe installation with **gesis**<sup>®</sup> and **podis**<sup>®</sup> energy bus systems



## Flexible

- Flexible busbar – easy to install
- Supply and tapping at any point
- Everytime extendable with additional tap-off modules, without disconnection, stripping, removing the insulation



## Safe

- Error-free installation thanks to mechanically coded cables and connection modules
- Ideal load distribution due to mid-point feed
- Pluggable tapping points
- Pre-assembled, tested modules
- Reduction of the fire loads by savings of cables



## Fast and easy planning

- Easy power distribution planning with the software **podis**<sup>®</sup>PLAN or **gesis**<sup>®</sup>PLAN
- Define segments and determine cable lengths
- One supply, two end caps per segment
- Define quantity and, if applicable, type of outputs



## Fast and easy installation

- Adaption at any point
- Installation analog to standard cable
- Cable on a reel
- Few components
- Less mounting steps



## Resource-efficient

- Reduced cabling due to system-wide power supply
- Low line losses
- Small distribution spaces thanks to decentralized installation



## The future

- Simply position an adapter to create new supply points
- Less dead cables
- Simple modification of the documentation



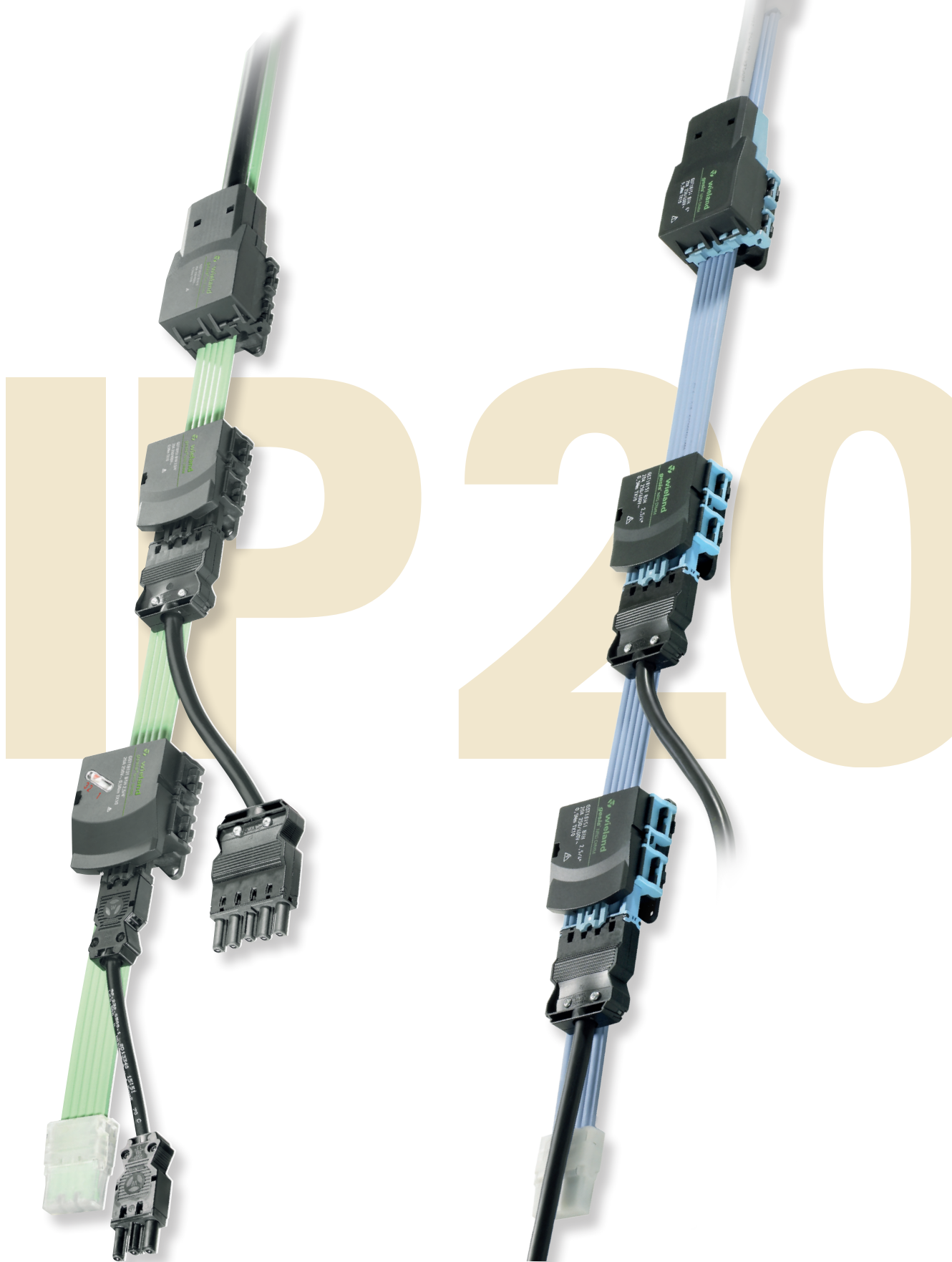
## Applications

- Network infrastructure, e.g. office, shop fitting, ...
- Bus system infrastructure, DALI, KNX, SMI, ASI, ...
- Conveyor systems, mechanical engineering, assembly lines, manufacturing plants



## Thinking ahead

- Smaller cable trays, smaller distribution rooms
- Reduced fire load
- Cable laying involves lower costs
- Crafty mounting aid



### gesis<sup>®</sup>NRG BASIC

△3~

Protection type	IP 20	
Applications	Infrastructure mains 3-phase	
Mains	230/400 V; 20 A	
Sheath color	green	
	black	
Material	PVC	halogen-free
Cross-section mains	2.5 mm <sup>2</sup>	2.5   4 mm <sup>2</sup>
CPR (available in)	Class E	Class C or E

### gesis<sup>®</sup>NRG DIMM

△1~



Protection type	IP 20	
Applications	Mains 1-phase, with parallel signals / bus systems	
Mains	230 V; 20 A	
Signal	Signals up to 230 V / 20 A	
Sheath color	pastel blue	
Material	PVC	halogen-free
Cross-section mains	2.5 mm <sup>2</sup>	2.5   4 mm <sup>2</sup>
Cross-section signal	2.5 mm <sup>2</sup>	2.5   4 mm <sup>2</sup>
CPR (available in)	Class E	Class C or E



### gesis<sup>®</sup>NRG BASIC+SELV

△3~

SELV KNX

Protection type	IP 20	
Anwendungen	Mains 3-phase, with parallel SELV signals / bus systems	
Mains	230/400 V / 20 A	
Signal	SELV / 3 A	
Sheath color	may green	
Material	PVC	halogen-free
Cross-section mains	2.5 mm <sup>2</sup>	2.5   4 mm <sup>2</sup>
Cross-section signal	1.5 mm <sup>2</sup>	1.5 mm <sup>2</sup>
CPR (available in)	Class E	Class C or E
Special	shielded signal part	

### gesis<sup>®</sup>NRG BASIC+SIGNAL

△3~

SELV DALI<sup>2</sup>

Protection type	IP 20	
Applications	Mains 3-phase, with parallel SELV signals / bus systems	
Mains	230/400 V / 20 A	
Signal	not SELV / 6 A	
Sheath color *	black	
Material	PVC	halogen-free
Cross-section mains	2.5 mm <sup>2</sup>	2.5   4 mm <sup>2</sup>
Cross-section signal	1.5 mm <sup>2</sup>	1.5 mm <sup>2</sup>
CPR (available in)	Class E	Class C or E

\* will be changed to pastel blue



### gesis® NRG 5G10

⚠ 3~

Protection type	IP 20	
Applications	Infrastructure mains, 3-phase	
Mains	230/400 V / 50 A	
Sheath color	green	
Material	PVC	halogen-free
Cross-section mains	10 mm <sup>2</sup>	10 mm <sup>2</sup>
CPR (available in)	Class E	Class C or E



### podis® 5G16

⚠ 3~

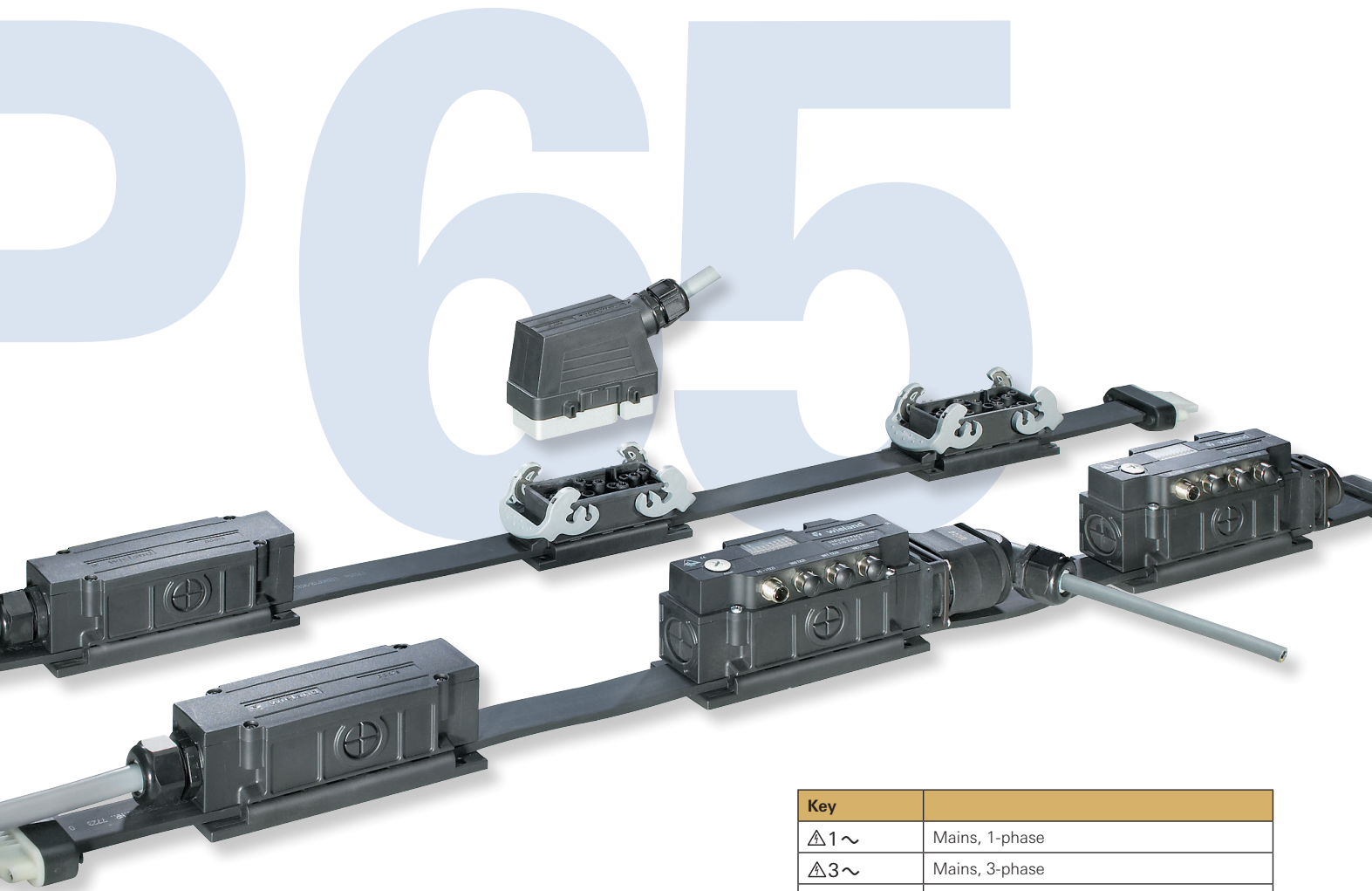
Protection type	IP 65	
Applications	Mains 3-phase	
Mains	690 V AC, 63 A	
Sheath color	black	
Material	XPE	
Cross-section mains	16 mm <sup>2</sup>	
Special	Multi standard cable	



### Technical data

- Voltage levels  
SELV/FELV/230V/400V/480V/690V
- Currents 3 – 63 A
- Cross-sections 1.5 up to 16 mm<sup>2</sup>
- Protection class IP20 / IP65
- PVC insulation, halogen-free

**Tapping an additional module  
everytime and at any point -  
without disconnection, stripping  
and removing the insulation**



Key	
△ 1~	Mains, 1-phase
△ 3~	Mains, 3-phase
⌋	Signals SELV and not SELV possible
⌋ <b>SELV</b>	Signals only SELV
⌋ <b>SELV</b>	Signals only not SELV

### podis® 5G6

△ 3~

Protection type	IP 65
Applications	Mains 3-phase
Mains	690 V AC, 40 A
Sheath color	black
Material	XPE
Cross-section mains	6 mm <sup>2</sup>
Special	Multi standard cable

### podis® 7G4 EVA, podis® 7G4 XLPE

△ 3~



Protection type	IP 65	
Applications	Mains 3-phase + auxiliary supply or signal	
Mains	480 V AC, 30 A	
Sheath color	black	
Material	EVA	XLPE
Cross-section mains	4 mm <sup>2</sup>	4 mm <sup>2</sup>
Cross-section signal	4 mm <sup>2</sup>	4 mm <sup>2</sup>



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