

WNT 70N/35**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com**Product image****Building installation wiring**

For building installations, we offer a complete system that revolves around the 10×3 copper rail and comprises perfectly coordinated components: from installation terminal blocks, neutral conductor terminal blocks and distribution terminal blocks to comprehensive accessories such as busbars and busbar holders.

General ordering data

Version	Neutral conductor modular terminal, Screw connection, Busbar connection, 70, 400 V, 140 A, TS 35, blue
Order No.	9512210000
Type	WNT 70N/35
GTIN (EAN)	4008190403898
Qty.	10 pc(s).

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Technical data

Dimensions and weights

Depth	85 mm	Depth (inches)	3.346 inch
Depth including DIN rail	86 mm	Height	75 mm
Height (inches)	2.953 inch	Width	20.5 mm
Width (inches)	0.807 inch	Net weight	138.4 g

Temperatures

Storage temperature	-25 °C...55 °C	Continuous operating temp., min.	-50 °C
Continuous operating temp., max.	120 °C		

Material data

Material	Wemid	Colour	blue
UL 94 flammability rating	V-0		

System specifications

Version	Screw connection, with busbar connection 10x3, in closed state	End cover plate required	No
Number of potentials	1	Number of levels	1
Number of clamping points per level	1	Number of potentials per tier	1
Levels cross-connected internally	No	PE connection	No
Rail	TS 35	N-function	Yes
PE function	No	PEN function	No

2 clampable conductors (H05V/H07V) with equal cross-section (rated connection)

Cross-section for connected wire, stranded, two clampable wires, max.	16 mm ²	Cross-section for connected wire, stranded, two clampable wires, min.	16 mm ²
Wire connection cross section, finely stranded with wire-end ferrules DIN 46228/1, 2 clampable wires, max.	16 mm ²	Wire connection cross section, finely stranded with wire-end ferrules DIN 46228/1, 2 clampable wires, min.	16 mm ²
Wire connection cross section, finely stranded, two clampable wires, min.	16 mm ²	Wire cross-section, finely stranded, two clampable wires, max.	16 mm ²

Additional technical data

Explosion-tested version	No	Installation advice	Busbar
Number of similar terminals	1	Open sides	closed
Type of mounting	Snap-on		

Conductors for clamping (additional connection)

Conductor cross-section, flexible plus plastic collar DIN 46228/1, further connection, max. 70 mm²

Conductors for clamping (rated connection)

Blade size S6 (DIN 6911)

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Clampable conductor	Connection specification		Screw connection	
	Cross-section for conductor connection	Type	solid, H05(07) V-U	
		min.	10 mm ²	
		max.	16 mm ²	
		nominal	16 mm ²	
	wire end ferrule	Stripping length	min.	22 mm
			max.	22 mm
			nominal	22 mm
		Tightening torque	min.	6 Nm
			max.	12 Nm
		Recommended wire-end ferrule		
	Connection specification		Screw connection	
	Cross-section for conductor connection	Type	stranded, H07V-R	
		min.	10 mm ²	
		max.	95 mm ²	
		nominal	70 mm ²	
	wire end ferrule	Stripping length	min.	22 mm
			max.	22 mm
			nominal	22 mm
		Tightening torque	min.	6 Nm
			max.	12 Nm
		Recommended wire-end ferrule		
	Connection specification		Screw connection	
Cross-section for conductor connection	Type	flexible, H05(07) V-K		
	min.	10 mm ²		
	max.	70 mm ²		
	nominal	70 mm ²		
wire end ferrule	Stripping length	min.	22 mm	
		max.	22 mm	
		nominal	22 mm	
	Tightening torque	min.	6 Nm	
		max.	12 Nm	
	Recommended wire-end ferrule			
Clamping range, max.	95 mm ²			
Clamping range, min.	10 mm ²			
Clamping screw	M 8			
Connection cross-section, stranded, max.	95 mm ²			
Connection cross-section, stranded, min.	10 mm ²			
Connection direction	on side			
Gauge to IEC 60947-1	B11			
Number of connections	1			
Stripping length	22 mm			
Tightening torque, max.	12 Nm			
Tightening torque, min.	6 Nm			
Type of connection	Screw connection, Busbar connection			
Wire connection cross section, finely stranded, max.	70 mm ²			
Wire connection cross section, finely stranded, min.	10 mm ²			
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, max.	70 mm ²			
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, min.	10 mm ²			

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Wire connection cross-section, solid core, max.	16 mm ²
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Wire connection cross-section, solid core, min.	10 mm ²
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General

Installation advice	Busbar	Rail	TS 35
Standards	In accordance with IEC 60947-7-1		

Rating data

Rated cross-section	70 mm ²	Rated voltage	400 V
Rated DC voltage	400 V	Rated current	140 A
Current at maximum wires	140 A	Standards	In accordance with IEC 60947-7-1
Volume resistance according to IEC 60947-7-x	0.17 mΩ	Rated impulse withstand voltage	6 kV
Power loss in accordance with IEC 60947-7-x	6.14 W	Pollution severity	3

UL rating data

Certificate No. (UR)	E60693	Conductor size Factory wiring max. (UR)	00 AWG
Conductor size Factory wiring min. (UR)	6 AWG	Conductor size Field wiring max. (UR)	00 AWG
Conductor size Field wiring min. (UR)	6 AWG	Current size C (UR)	175 A
Voltage size C (UR)	600 V		

Classifications

ETIM 6.0	EC000897	ETIM 7.0	EC000897
ETIM 8.0	EC000897	ETIM 9.0	EC000897
ECLASS 9.0	27-14-11-20	ECLASS 9.1	27-14-11-20
ECLASS 10.0	27-14-11-20	ECLASS 11.0	27-14-11-20
ECLASS 12.0	27-14-11-20	ECLASS 13.0	27-25-01-11

Environmental Product Compliance

REACH SVHC	Lead 7439-92-1
SCIP	c6099607-b1cd-4fc8-8f5b-8c2defa73093
RoHS Compliance Status	Compliant with exemption
RoHS Exemption (if applicable/known)	6c

Approvals

Approvals



ROHS	Conform
UL File Number Search	UL Website
Certificate No. (UR)	E60693

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Technical data

Downloads

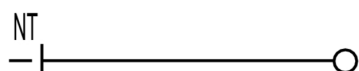
Approval/Certificate/Document of Conformity	CE Declaration of Conformity UKCA declaration of conformity Confirmation of Standards EN 45545-2_2020-10
Engineering Data	CAD data – STEP
Engineering Data	Zuken E3.S
User Documentation	StorageConditionsTerminalBlocks
Catalogues	Catalogues in PDF-format
Brochures	

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Drawings



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Accessories

Marker holder



The marker holder offer the possibility of additional mounting of standard markers with a pitch of 5 or 5.1 mm. The angled holders can be optionally snapped together and could be mounted in all standard marking channels of the Klippon® Connect modular terminal blocks. Fitting marker types could be found under the respective accessories of the designation marking holder.

General ordering data

Type	BZT 1 ZA WS 10/5	Version
Order No.	1805520000	Accessories, Marker holder
GTIN (EAN)	4032248270248	
Qty.	100 pc(s).	
Type	BZT 1 WS 10/5	Version
Order No.	1805490000	Accessories, Marker holder
GTIN (EAN)	4032248270231	
Qty.	100 pc(s).	

Blank



The Dekafix (DEK) marker is the universal marker for all conductor and plug-in connectors as well as for electronic sub-assemblies. The system is ideal for short number sequences and covers a wide range of ready-printed markers.

Strips for fast installation in only one work step. The printing is easy to read, rich in contrast and available in various widths.

- Large range of ready-to-use markers
- Strips for fast installation
- Terminal markers, suitable for all Weidmüller cable connectors
- Available as blank MultiCard or with standard printing

For custom printing: Please send us a file of our labeling software M-Print PRO or M-Print PRO Online (without installation) for your labeling specifications.

General ordering data

Type	DEK 5/5 MC NE WS	Version
Order No.	1609801044	Dekafix, Terminal marker, 5 x 5 mm, Pitch in mm (P): 5.00
GTIN (EAN)	4008190397111	Weidmueller, white
Qty.	1,000 pc(s).	

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Accessories

ZGB pivotable group tag holder



The ZGB 15 is a hinged group tag carrier. The tag carrier can hold the dekafix 5, WS 12/5 terminal markers or the inlay tag ESO 15.

The ZGB 30 is a hinged group tag carrier. The tag carrier can hold the dekafix 5, WS 12/5 terminal markers or the inlay tag ESO 7.

Inlay tags and protective strips can be found under "Accessories".

General ordering data

Type	ZGB 15	Version
Order No.	1636530000	Terminal markers, Terminal marker, 15 x 7 mm, Pitch in mm (P): 5.00
GTIN (EAN)	4008190297053	Weidmueller, white
Qty.	20 pc(s).	
Type	ZGB 30	Version
Order No.	1611930000	Terminal markers, Terminal marker, 32 x 7 mm, Pitch in mm (P): 5.00
GTIN (EAN)	4008190002251	Weidmueller, white
Qty.	20 pc(s).	

W-Series



Weidmüller's range of products includes end brackets that guarantee a permanent, reliable mounting on the terminal rail and prevent sliding. Versions with and without screws are available. The end brackets include marking options, also for group markers, and also a test plug holder.

General ordering data

Type	WEW 35/2	Version
Order No.	1061200000	End bracket, dark beige, TS 35, HB, Wemid, Width: 8 mm, 100 °C
GTIN (EAN)	4008190030230	
Qty.	50 pc(s).	

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Accessories

W-Series



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General ordering data

Type	WHP 2.5-35N/10X3 BL	Version
Order No.	1050280000	End and partition plate for terminals, blue, Height: 60 mm, Width: 2
GTIN (EAN)	4008190044640	mm, V-0, Wemid
Qty.	20 pc(s).	

Uninsulated



Uninsulated bus bar tap-off terminals offer a space-saving option for connecting conductors on a bus bar.

General ordering data

Type	ZB 35/M6X16	Version
Order No.	0266500000	Clamping yoke (bus-bar), Clamping yoke, silver, Width: 14 mm, M 6,
GTIN (EAN)	4008190102814	Steel
Qty.	20 pc(s).	
Type	ZB 4	Version
Order No.	0316500000	Clamping yoke (bus-bar), Clamping yoke, silver, Width: 5.3 mm, M 3,
GTIN (EAN)	4008190061999	Steel
Qty.	50 pc(s).	
Type	ZB 16 ZKSC	Version
Order No.	0316600000	Clamping yoke (bus-bar), Clamping yoke, silver, Width: 10 mm, M 4,
GTIN (EAN)	4008190145989	Steel
Qty.	50 pc(s).	

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Accessories

Combined screwing and cutting tool "Swiftly®"

Combined cutting/screwing tool: Swiftly® and Swiftly® set for clean cutting of copper cables up to 1.5 mm² (solid) and 2.5 mm² (flexible)



General ordering data

Type	SWIFTY SET	Version
Order No.	9006060000	Cutting and screwing-tool, Cutting tool for one-hand operation
GTIN (EAN)	4032248257638	
Qty.	1 pc(s).	

WS 12/5



WS/ DEK

MultiMark terminal markers use an innovative composite material made from two components. The hard base contour of the marker snaps securely into the connector. The elastic surface finish makes the marker easy to mount. This specially punched material enables the strips to be stretched to accommodate the slight variations in spacing that tend to add up, especially with long terminal blocks. Another advantage: the excellent printability of the surface material guarantees durable and wear-resistant labelling. A print resolution of 300 dpi also produces a very legible script.

Your benefits with MultiMark

- Firm hold and durable printing
- Continuous strips save installation time
- Easy mounting thanks to an innovative composite material
- Large label field for optimal legibility
- High flexibility thanks to manufacturer independence

General ordering data

Type	WS 12/5 MM WS	Version
Order No.	2007190000	WS, Terminal marker, 12 x 5 mm, Weidmueller, white
GTIN (EAN)	4050118392036	
Qty.	800 pc(s).	

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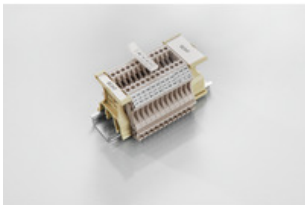
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Accessories

SchT group marker carrier



The SchT 5 S group tag carriers are clipped directly onto the TS 32 mounting rail (G-rail) or the TS 35 mounting rail (top-hat rail). It is therefore possible to label the terminal strip irrespective of the terminal and the type of terminal. SchT 5 and SchT 5 S are fitted with ESO 5, STR 5 protective strips.

The SchT 7 is a hinged group tag carrier for inlay tags which enables easy access to the clamping screw. The SchT 7 is fitted with ESO 7, STR 7 protective strips or DEK 5.

Inlay tags and protective strips can be found under "Accessories".

General ordering data

Type	Version
SCHT 7	
Order No. 0517960000	SCHT, Terminal marker, 39.3 x 8 mm, Pitch in mm (P): 7.00
GTIN (EAN) 4008190001742	Weidmueller, white
Qty. 20 pc(s).	

Blank



WS markers are the perfect match for the W-series connectors. Thanks to their system compatibility, the WS tags can also be used with the I-series and the Z-series. The large marking surfaces do not only permit long character strings but also multi-line text. WS markers are ideal for labels with long, customised character strings. Thanks to the proven MultiCard format, printing with PrintJet CONNECT oder/or Plotter is possible.

- Can be fitted in strips or individually
- Markers in proven MultiCard format

For custom printing: Please send us a file of our labeling software M-Print PRO or M-Print PRO Online (without installation) for your labeling specifications.

General ordering data

Type	Version
WS 12/5 MC NE WS	
Order No. 1609860000	WS, Terminal marker, 12 x 5 mm, Pitch in mm (P): 5.00 Weidmueller,
GTIN (EAN) 4008190203481	Allen-Bradley, white
Qty. 720 pc(s).	

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Accessories

Slotted screwdriver



Slotted screwdriver with rounded blade SD DIN 5265, ISO 2380/2, output to DIN 5264, ISO 2380/1. ChromTop tip, SoftFinish grip

General ordering data

Type	SDS 1.0X5.5X150	Version
Order No.	9008350000	Screwdriver, Screwdriver
GTIN (EAN)	4032248056316	
Qty.	1 pc(s).	

Copper



Of all the metals used, copper has the best electrical conductivity, which results in the highest short-circuit resistance. This makes the copper busbar the most widely used variant.

General ordering data

Type	SSCH 10X3X1000 CU/SN	Version
Order No.	0348900000	Busbar (terminal), silver, Height: 1000 mm, Depth: 3 mm, Copper
GTIN (EAN)	4008190024802	
Qty.	1 m	