WDU 70N/35 GE/SW

Product image

Protective earth terminal blocks for the functional earth ensure electromagnetic compatibility within an electrical system. Our portfolio ranges from terminal blocks with one or more connections to various rated cross-sections.

General ordering data

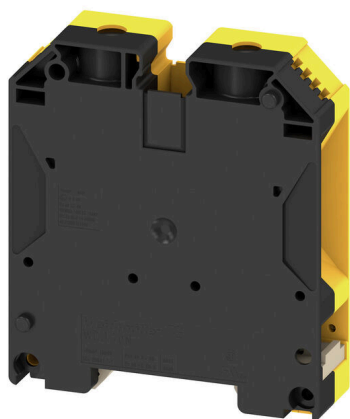|	
Version	Feed-through terminal block, Screw connection, black/yellow, 70 mm², 192 A, 1000 V, Number of connections: 2
Order No.	2000100000
Type	WDU 70N/35 GE/SW
GTIN (EAN)	4050118455335
Qty.	10 items

Data sheet

WDU 70N/35 GE/SW

Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 26
D-32758 Detmold
Germany

www.weidmueller.com

Technical data

Approvals

Approvals		

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

Dimensions and weights

Depth	85 mm	Depth (inches)	3.3464 inch
Depth including DIN rail	86 mm	Height	75 mm
Height (inches)	2.9527 inch	Width	20.5 mm
Width (inches)	0.8071 inch	Net weight	119.23 g

Temperatures

Storage temperature	-25 °C...55 °C	Ambient temperature	-60 °C...85 °C
Continuous operating temp., min.	-60 °C	Continuous operating temp., max.	130 °C

Environmental Product Compliance

RoHS Compliance Status	Compliant without exemption		
REACH SVHC	No SVHC above 0.1 wt%		
Product Carbon Footprint	Cradle to gate	1,05 kg CO2 eq.	

Material data

Basic material	Wemid	Colour	black/yellow
UL 94 flammability rating	V-0		

Rating data IECEx/ATEX

Certificate No. (ATEX)	DEMKO14ATEX1338U	Certificate No. (IECEX)	IECEXULD14.0005U
Max. voltage (ATEX)	690 V	Current (ATEX)	184 A
Wire cross section max. (ATEX)	70 mm²	Max. voltage (IECEX)	690 V
Current (IECEX)	184 A	Wire cross section max. (IECEX)	70 mm²
Marking EN 60079-7	Ex eb II C Gb	Ex 2014/34/EU label	II 2 G D

System specifications

Version	Screw connection, for screwable cross-connection, in closed state	End cover plate required	No
Number of potentials	1	Number of levels	1
Number of clamping points per level	2	Number of potentials per tier	1
Levels cross-connected internally	No	PE connection	No
Mounting rail	TS 35	N-function	No
PE function	No	PEN function	Yes

Creation date 21.12.2025 04:29:59 MEZ

Catalogue status / Drawings

WDU 70N/35 GE/SW

Technical data

Additional technical data

Installation advice	Direct mounting	Explosion-tested version	Yes
Type of mounting	Snap-on		

Conductors for clamping (additional connection)

Connection type, additional connection	Screw connection

Conductors for clamping (rated connection)

Gauge to IEC 60947-1	B11	Wire connection cross section AWG, max.	AWG 0
Connection direction	on side	Tightening torque, max.	12 Nm
Tightening torque, min.	8 Nm	Stripping length	22 mm
Type of connection	Screw connection	Number of connections	2
Clamping range, max.	95 mm²	Clamping range, min.	16 mm²
Clamping screw	M 8	Blade size	S6 (DIN 6911)
Wire connection cross section AWG, min.	AWG 6	Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, max.	50 mm²
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min.	16 mm²	Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, max.	70 mm²
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, min.	16 mm²	Wire connection cross section, finely stranded, max.	70 mm²
Wire connection cross section, finely stranded, min.	16 mm²	Connection cross-section, stranded, max.	95 mm²
Connection cross-section, stranded, min.	16 mm²	Wire connection cross-section, solid core, max.	16 mm²
Wire connection cross-section, solid core, min.	16 mm²	Connection cross-section, finely stranded, min.	16 mm²

General

Wire connection cross section AWG, max.	AWG 0	Installation advice	Direct mounting
Wire connection cross section AWG, min.	AWG 6	Standards	IEC 60947-7-1
Mounting rail	TS 35		

Rating data

Rated cross-section	70 mm²	Rated voltage	1000 V
Rated DC voltage	1000 V	Nominal current	192 A
Current at maximum wires	232 A	Standards	IEC 60947-7-1
Volume resistance according to IEC 60947-7-x	0.17 mΩ	Rated impulse withstand voltage	8 kV
Power loss in accordance with IEC 60947-7-x	6.14 W	Pollution severity	3

UL rating data

Conductor size Factory wiring max. (cURus)	0 AWG	Certificate No. (cURus)	E60693
Conductor size Field wiring min. (cURus)	6 AWG	Conductor size Factory wiring min. (cURus)	6 AWG
Voltage size C (cURus)	600 V	Current size C (cURus)	150 A
Conductor size Field wiring max. (cURus)	0 AWG		

WDU 70N/35 GE/SW

Technical data

Classifications

ETIM 8.0	EC000897	ETIM 9.0	EC000897
ETIM 10.0	EC000897	ECLASS 14.0	27-25-01-01
ECLASS 15.0	27-25-01-01		

WDU 70N/35 GE/SW

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Drawings

Accessories

Cross connector
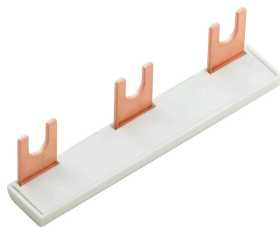
The distribution or multiplication of a potential to adjoining terminal blocks is realized via a cross-connection. Additional wiring effort can be easily avoided. Even if the poles are broken out, contact reliability in the terminal blocks is still ensured. Our portfolio offers pluggable and screwable cross-connection systems for modular terminal blocks.

General ordering data

Type	WQV 70N/2	Version	
Order No.	9512240000	Cross-connector (terminal), when screwed in, Silver grey, 192 A,	
GTIN (EAN)	4008190403928	Number of poles: 2, Pitch in mm (P): 20.50, Insulated: No, Width: 9.5	
Qty.	5 ST	mm	
Type	WQV 70N/3	Version	
Order No.	9512250000	Cross-connector (terminal), when screwed in, Silver grey, 192 A,	
GTIN (EAN)	4008190403935	Number of poles: 3, Pitch in mm (P): 20.50, Insulated: No, Width: 9.5	
Qty.	5 ST	mm	
Type	WQV 70N/4	Version	
Order No.	9531290000	Cross-connector (terminal), when screwed in, Silver grey, 192 A,	
GTIN (EAN)	4008190351243	Number of poles: 4, Pitch in mm (P): 20.50, Insulated: No, Width: 9.5	
Qty.	5 ST	mm	

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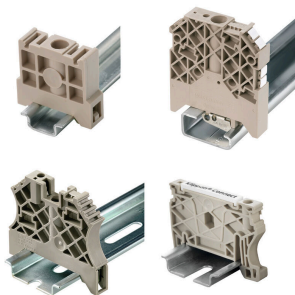
Weidmüller's range of products includes end brackets that guarantee a permanent, reliable mounting on the terminal rail and prevent sliding. Versions with and without screws are available. The end brackets include marking options, also for group markers, and also a test plug holder.

General ordering data

Type	WEW 35/1	Version
Order No.	1059000000	End bracket, dark beige, TS 35, V-2, Wemid, Width: 12 mm, 100 ℃
GTIN (EAN)	4008190172282	
Qty.	50 ST	

Data sheet

WDU 70N/35 GE/SW

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## Accessories

auxillery connection

The additional connection enables a separate voltage tap. This can be used, for example, for the emergency power supply before the main switch or simply as an additional connection within the application.

General ordering data

Type	WZAD 70N	Version	
Order No.	1964830000	Auxiliary connection (terminal), 6 mm², Number of connections: 1	
GTIN (EAN)	4032248651474		
Qty.	5 ST		

Warning cover
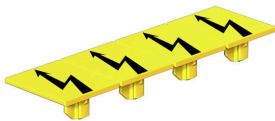
Warning covers with a flash symbol provide more safety for man and machine. They are used where external voltage must be indicated within the application.

General ordering data

Type	WAD 20 GE WSD	Version	
Order No.	9512260000	Terminal marking, yellow, Pitch in mm (P): 18.00, Printed characters:	
GTIN (EAN)	4008190403942	Symbols, horizontal	
Qty.	10 ST		

Socket wrench sets

Allen key made from fully hardened, high-alloy chromium-vanadium- steel, acc. to DIN ISO 2936 L (DIN 911), high-quality refined surface.

General ordering data

Type	SKS 2,0-8,0 MR	Version	
Order No.	9008870000	socket wrenches	
GTIN (EAN)	4032248266623		
Qty.	1 ST		

Creation date 21.12.2025 04:29:59 MEZ

Accessories

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.	1000 ST		
Type	WS 12/5 MC NE WS	Version	
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 ST		

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

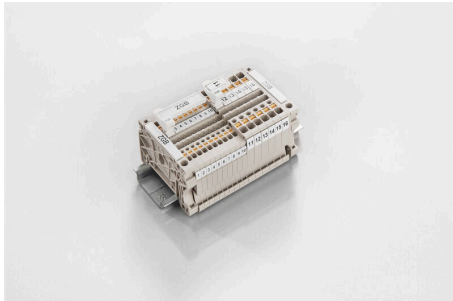| Type	SCHT 7	Version	
Order No.	0517960000	SCHT, Terminal marker, 39.3 x 8 mm, Pitch in mm (P): 7.00	
GTIN (EAN)	4008190001742	Weidmueller, white	
Qty.	20 ST		

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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 ST		
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 ST		

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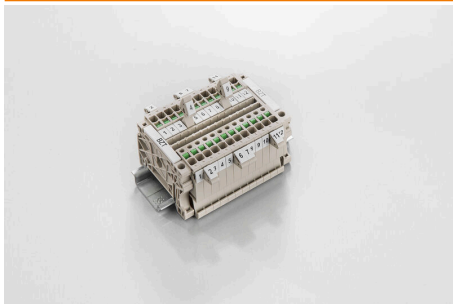
The marker holder offer the possibility of additional mounting of standard markers with a pitch of 5 or 5.1 mm. The angled holders can be optionally snaped together and could be mounted in all standard marking channels of the Klippon® Connect modular terminal blocks. Fitting marker types could be found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

General ordering data

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

Accessories

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 ST		

Cross connector
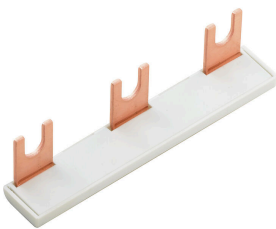
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General ordering data

Type	WQB PEN 70N	Version	
Order No.	1079700000	Cross-connector (terminal), when screwed in, Silver grey, 192 A,	
GTIN (EAN)	4008190370114	Number of poles: 2, Pitch in mm (P): 20.50, Insulated: No, Width:	
Qty.	5 ST	30.4 mm	