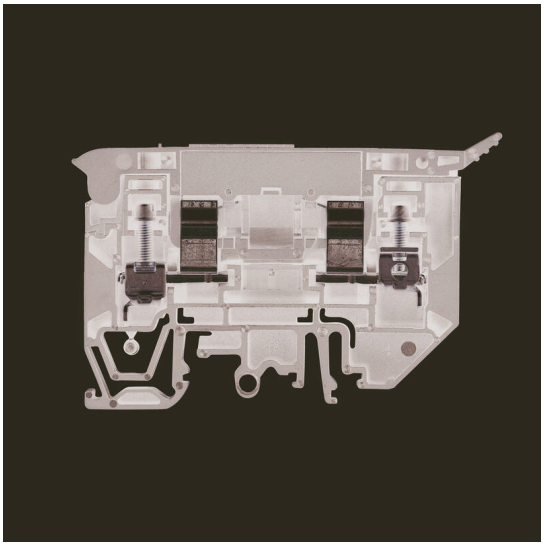
Data sheet

WSI 4/2/LD 30-70V AC/DC

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

www.weidmueller.com

Product image



Fuse terminal blocks and component terminal blocks allow protective and functional elements to be integrated directly into the terminal strip. Fuse terminal blocks include built-in fuse holders to reliably protect electrical circuits against overload —ideal for control and distribution systems. Component terminal blocks make it possible to incorporate electronic components such as diodes, resistors, or LEDs directly into the wiring. This enables space-saving and clearly arranged implementation of switching functions and signal separation. Both types of terminal blocks ensure higher safety, easy maintenance, and a compact, function-oriented installation.

General ordering data

Version	Fuse terminal, Screw connection, black, 4 mm², 10 A, 70 V, Number of connections: 2, Number of levels: 1, TS 35, TS 32
Order No.	1880440000
Type	WSI 4/2/LD 30-70V AC/DC
GTIN (EAN)	4032248544981
Qty.	25 items

Data sheet

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Technical data

Approvals

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

Dimensions and weights

Depth	53.5 mm	Depth (inches)	2.1063 inch
Height	81.6 mm	Height (inches)	3.2126 inch
Width	9.1 mm	Width (inches)	0.3583 inch
Net weight	20.2 g		

Temperatures

Storage temperature	-25 °C...55 °C	Ambient temperature	-50 °C...75 °C
Continuous operating temp., min.	-50 °C	Continuous operating temp., max.	120 °C

Environmental Product Compliance

RoHS Compliance Status	Compliant with exemption
RoHS Exemption (if applicable/known)	7cl
REACH SVHC	No SVHC above 0.1 wt%

Material data

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

System specifications

Version	Screw connection, Fuse isolator, with LED, One end without connector	End cover plate required	Yes
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, TS 32	N-function	No
PE function	No	PEN function	No

Additional technical data

Open sides	right	Number of similar terminals	1
Type of mounting	Snap-on		

CSA rating data

Wire cross section max. (CSA)	10 AWG	Certificate No. (CSA)	200039-1575489
Wire cross section min. (CSA)	30 AWG		

Conductors for clamping (additional connection)

Connection type, additional connection	Screw connection

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Technical data

Conductors for clamping (rated connection)

Gauge to IEC 60947-1	A3			
Wire connection cross section AWG, max.	AWG 10			
Connection direction	on side			
Tightening torque, max.	0.8 Nm			
Tightening torque, min.	0.5 Nm			
Stripping length	10 mm			
Type of connection 2	Screw connection			
Type of connection	Screw connection			
Number of connections	2			
Clamping range, max.	6 mm²			
Clamping range, min.	0.5 mm²			
Clamping screw	M 3			
Blade size	0.6 x 3.5 mm			
Wire connection cross section AWG, min.	AWG 22			
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min.	0.5 mm²			
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, max.	4 mm²			
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, min.	0.5 mm²			
Wire connection cross section, finely stranded, max.	6 mm²			
Wire connection cross section, finely stranded, min.	0.5 mm²			
Connection cross-section, stranded, max.	6 mm²			
Connection cross-section, stranded, min.	0.5 mm²			
Torque level with DMS electric screwdriver	2			
Wire connection cross-section, solid core, max.	6 mm²			
Wire connection cross-section, solid core, min.	0.5 mm²			
Connection cross-section, finely stranded, min.	0.5 mm²			
Clampable conductor	Connection specification	Screw connection		
	Cross-section for conductor connection	Type	solid, H05(07) V-U	
		min.	0.5 mm²	
		max.	6 mm²	
		nominal	4 mm²	
	wire end ferrule	Stripping length	min.	11 mm
			max.	11 mm
			nominal	11 mm
		Tightening torque	min.	0.5 Nm
			max.	0.8 Nm
	Connection specification	Screw connection		
	Cross-section for conductor connection	Type	stranded, H07V-R	
		min.	1.5 mm²	
		max.	6 mm²	
		nominal	4 mm²	
	wire end ferrule	Stripping length	min.	11 mm
			max.	11 mm
			nominal	11 mm

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		Tightening torque	min.	0.5 Nm
			max.	0.8 Nm
Connection specification		Screw connection		
Cross-section for conductor connection		Type	flexible, H05(07) V-K	
		min.	0.5 mm²	
		max.	6 mm²	
		nominal	4 mm²	
	wire end ferrule	Stripping length	min.	11 mm
			max.	11 mm
			nominal	11 mm
		Tightening torque	min.	0.5 Nm
			max.	0.8 Nm

Dimensions

TS 35 offset	25 mm

General

Wire connection cross section AWG, max.	AWG 10	Wire connection cross section AWG, min.	AWG 22
Standards	IEC 60947-7-3	Mounting rail	TS 35, TS 32

Rating data

Rated cross-section	4 mm²	Rated voltage	70 V
Rated voltage to adjoining terminal	500 V	Rated DC voltage	70 V
Nominal current	10 A	Current at maximum wires	10 A
Standards	IEC 60947-7-3	Volume resistance according to IEC 60947-7-x	1 mΩ
Rated impulse withstand voltage	6 V	Power loss in accordance with IEC 60947-7-x	1.02 W

UL rating data

Conductor size Factory wiring max. (cURus)	10 AWG	Certificate No. (cURus)	E60693
Conductor size Field wiring min. (cURus)	30 AWG	Conductor size Factory wiring min. (cURus)	30 AWG
Conductor size Field wiring max. (cURus)	10 AWG		

Important note

Product information	The voltage depends on the selected fuse element or the selected indicator light

Classifications

ETIM 8.0	EC000899	ETIM 9.0	EC000899
ETIM 10.0	EC000899	ECLASS 14.0	27-25-01-13
ECLASS 15.0	27-25-01-13		

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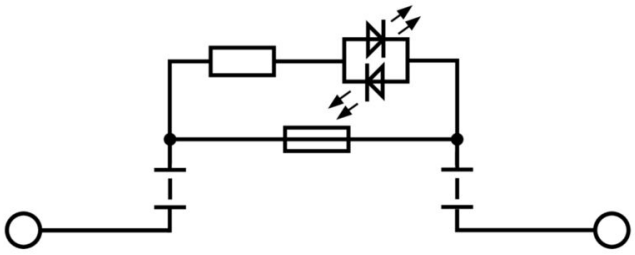
Drawings



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Accessories

End plates and partition plates

Partition plates and end plates are essential accessories for terminal blocks. Partition plates provide optical and electrical separation of different potentials and functional groups, increasing safety and ensuring a clear structure inside the control cabinet. End plates close the terminal block row on the sides, protect against contact with live parts, and ensure a clean, stable finish. Both components are precisely matched to the respective Weidmüller terminal block series, contributing to safe, compliant, and professional wiring.

General ordering data

Type	WAP WSI4/2	Version
Order No.	1880450000	End plate for terminals, black, Height: 71.12 mm, Width: 2.5 mm, V-0,
GTIN (EAN)	4032248541911	Wemid, Snap-on: No
Qty.	50 ST	

Combined screwing and cutting tool "Swifty® CS"

Combined cutting/stripping tool Swifty® CS and Swifty® CS set for crimp-free cutting and stripping of copper cables up to 1.5 mm² solid and 2.5 mm² flexible.

General ordering data

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

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 0.6X3.5X100	Version
Order No.	9008330000	Screwdriver, Screwdriver
GTIN (EAN)	4032248056286	
Qty.	1 ST	

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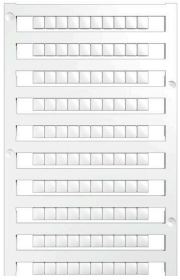
Accessories

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.

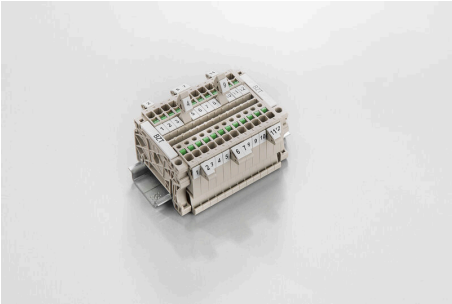
- Large range of ready-to-use markers
- Strips for fast installation
- Terminal markers, suitable for all Weidmüller cable connectors
- Available as blank MultiCard or with standard printing

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	

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	

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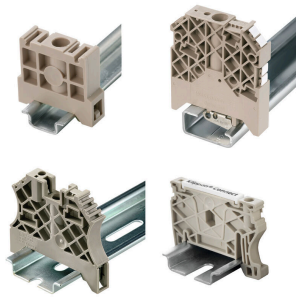
Accessories

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	ZST 1	Version
Order No.	1269070000	Accessories, Accessories holder
GTIN (EAN)	4050118094091	
Qty.	25 ST	