Data sheet

WSI 4/2

Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 26
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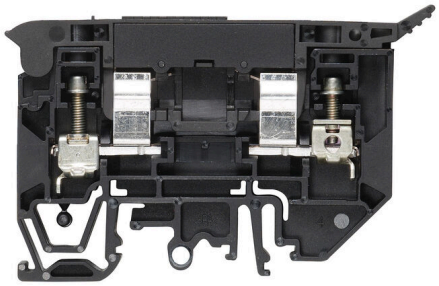
Germany

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, 500 V, Number of connections: 2, Number of levels: 1, TS 35, TS 32
Order No.	1880430000
Type	WSI 4/2
GTIN (EAN)	4032248541928
Qty.	25 items

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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
Depth including DIN rail	46 mm	Height	81.6 mm
Height (inches)	3.2126 inch	Width	9.1 mm
Width (inches)	0.3583 inch	Net weight	21.76 g

Temperatures

Storage temperature	-25 °C...55 °C	Ambient temperature	-5 °C...40 °C
Continuous operating temp., min.	-50 °C	Continuous operating temp., max.	120 °C

Environmental Product Compliance

RoHS Compliance Status	Compliant without exemption
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, 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	Voltage size C (CSA)	300 V
Current size C (CSA)	15 A	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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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 15 offset	32 mm	TS 32 offset	38 mm
TS 35 offset	38 mm		

Fuse terminals

Cartridge fuse	6.3 x 32 mm (1/4 x 1 1/4")	Fuse holder (cartridge holder)	Pivoting
Type of voltage for indicator	AC/DC	Display	Without LED
Operating voltage, max.	250 V	Power loss for short-circuit protection only for a composite arrangement	2.5 W at 2.5 A @ 68°C
Power loss for short-circuit protection only for an individual arrangement	4.0 W at 10 A @ 55°C	Power loss, 1-pole ; 2-pole ; 3-pole	
Permitted power loss for fuse with semiconductor protection		Power loss for overload and short-circuit protection for a composite arrangement	1.6 W at 1.0 A @ 41°C

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	500 V
Rated voltage to adjoining terminal	500 V	Rated DC voltage	500 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 kV	Power loss in accordance with IEC 60947-7-x	1.02 W
Pollution severity	3		

UL rating data

Conductor size Factory wiring max. (cURus)	10 AWG	Voltage size B (cURus)	300 V
Certificate No. (cURus)	E60693	Conductor size Field wiring min. (cURus)	30 AWG
Conductor size Factory wiring min. (cURus)	30 AWG	Current size B (cURus)	15 A
Voltage size C (cURus)	300 V	Current size C (cURus)	15 A
Conductor size Field wiring max. (cURus)	10 AWG		

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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