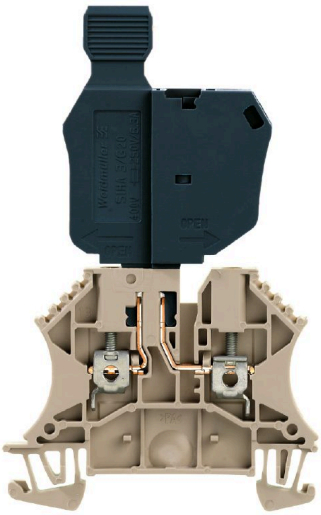
Data sheet

WTR 2.5/SI

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, dark beige, 2.5 mm², 6.3 A, 400 V, Number of connections: 2, Number of levels: 1, TS 35
Order No.	1763940000
Type	WTR 2.5/SI
GTIN (EAN)	4032248107735
Qty.	25 items

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Technical data

Approvals

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

Dimensions and weights

Depth	97 mm	Depth (inches)	3.8189 inch
Depth including DIN rail	97.5 mm	Height	60 mm
Height (inches)	2.3622 inch	Width	5.1 mm
Width (inches)	0.2008 inch	Net weight	14.72 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	dark beige
UL 94 flammability rating	V-0		

System specifications

Version	Screw connection, Fuse isolator, for plug-in cross-connector, One end without connector	End cover plate required	Yes
Number of potentials	1	Number of levels	1
Number of clamping points per level	2	Levels cross-connected internally	No
PE connection	No	Mounting rail	TS 35

Additional technical data

Open sides	right	Number of similar terminals	1
Explosion-tested version	No	Type of mounting	Snap-on

CSA rating data

Wire cross section max. (CSA)	12 AWG	Certificate No. (CSA)	154685-1152890
Voltage size D (CSA)	300 V	Current size D (CSA)	10 A
Wire cross section min. (CSA)	26 AWG		

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Technical data

Conductors for clamping (additional connection)

Conductor cross-section, flexible plus plastic collar DIN 46228/1, further connection, max.	2.5 mm²	Connection type, additional connection	Screw connection

Conductors for clamping (rated connection)

Gauge to IEC 60947-1	A3
Wire connection cross section AWG, max.	AWG 12
Connection direction	on side
Tightening torque, max.	0.8 Nm
Tightening torque, min.	0.4 Nm
Stripping length	10 mm
Type of connection 2	Screw connection
Type of connection	Screw connection
Number of connections	2
Clamping range, max.	4 mm²
Clamping range, min.	0.05 mm²
Clamping screw	M 2.5
Blade size	0.6 x 3.5 mm
Wire connection cross section AWG, min.	AWG 26
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, max.	2.5 mm²
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min.	0.05 mm²
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, max.	2.5 mm²
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, min.	0.05 mm²
Wire connection cross section, finely stranded, max.	4 mm²
Wire connection cross section, finely stranded, min.	0.05 mm²
Connection cross-section, stranded, max.	4 mm²
Connection cross-section, stranded, min.	0.05 mm²
Torque level with DMS electric screwdriver	1
Wire connection cross-section, solid core, max.	4 mm²
Wire connection cross-section, solid core, min.	0.05 mm²
Connection cross-section, finely stranded, min.	0.05 mm²

Clampable conductor	Connection specification	Screw connection		
	Cross-section for conductor connection	Type	solid, H05(07) V-U	
		min.	0.5 mm²	
		max.	4 mm²	
		nominal	2.5 mm²	
	wire end ferrule	Stripping length	min.	10 mm
			max.	10 mm
			nominal	10 mm
		Tightening torque	min.	0.4 Nm
			max.	0.8 Nm

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Connection specification	Screw connection		
Cross-section for conductor connection	Type	stranded, H07V-R	
	min.	1.5 mm²	
	max.	4 mm²	
	nominal	2.5 mm²	
wire end ferrule	Stripping length	min.	10 mm
		max.	10 mm
		nominal	10 mm
	Tightening torque	min.	0.4 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.	4 mm²	
	nominal	2.5 mm²	
wire end ferrule	Stripping length	min.	10 mm
		max.	10 mm
		nominal	10 mm
	Tightening torque	min.	0.4 Nm
		max.	0.8 Nm

General

Wire connection cross section AWG, max.	AWG 12	Wire connection cross section AWG, min.	AWG 26
Standards	IEC 60947-7-3	Mounting rail	TS 35

Rating data

Rated cross-section	2.5 mm²	Rated voltage	400 V
Rated voltage to adjoining terminal	400 V	Rated DC voltage	400 V
Nominal current	6.3 A	Current at maximum wires	6.3 A
Standards	IEC 60947-7-3	Volume resistance according to IEC 60947-7-x	1.33 mΩ
Rated impulse withstand voltage	6 kV	Power loss in accordance with IEC 60947-7-x	0.77 W
Pollution severity	3		

UL rating data

Conductor size Factory wiring max. (UR)	12 AWG	Conductor size Factory wiring min. (UR)	22 AWG
Certificate No. (UR)	E60693	Conductor size Field wiring min. (UR)	22 AWG
Conductor size Field wiring max. (UR)	12 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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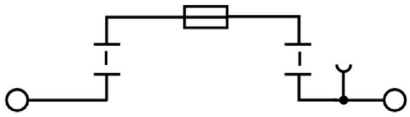
Drawings