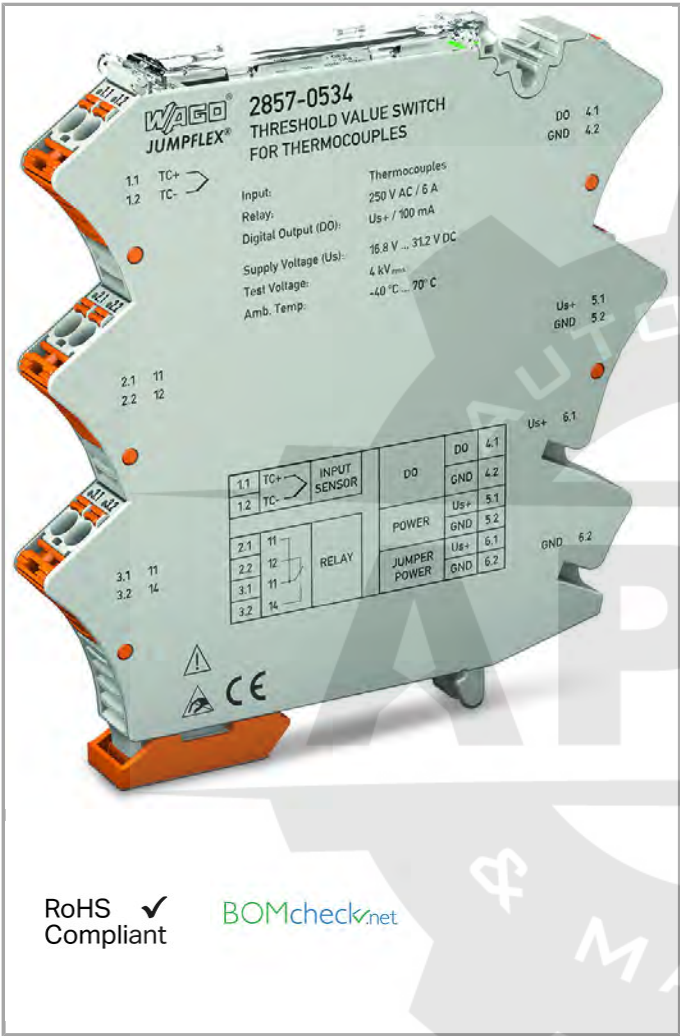
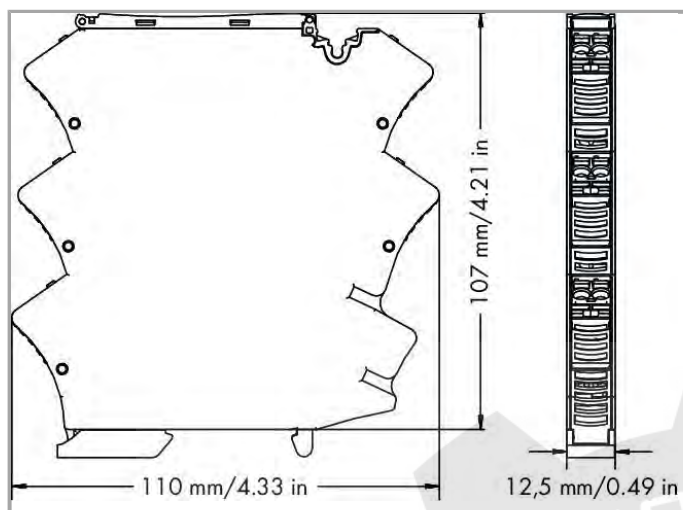




2857-534



1.1	TC+		INPUT SENSOR	DO	DO	4.1
1.2	TC-				GND	4.2
2.1	11		RELAY	POWER	Us+	5.1
2.2	12				GND	5.2
3.1	11			JUMPER POWER	Us+	6.1
3.2	14				GND	6.2



2687-434

DP Switch Adjustability

• ON

Default

DP Switch S1													
Sensor Type				Cold Junction Compensation		Hysteresis		Rise/Fall Delay Relay/DG					
1	2	3	4	Type	5	6	T/K	7	8	9	t/s	10	Reserve
*				A		ON					1		
*				K	*	OFF	*	5		*	2		
*	*			E						*	3		
*	*			R						*	4		
*	*	*		N						*	5		
*	*	*		S						*	8		
*	*	*		T						*	10		
*	*	*		B						*			
*	*	*	*	C						*			

DP Switch S2													
Start Value							End Value						
1	2	3	4	5	Temperature / °C	6	7	8	9	10	Temperature / °C		
*					OFF	*					OFF		
*	*				-200	*	*				-200		
*	*				-150	*	*				-150		
*	*	*			-100	*	*				-100		
*	*	*	*		-50	*	*	*			-50		
*	*	*	*		50	*	*	*			50		
*	*	*	*		100	*	*	*			100		
*	*	*	*	*	150	*	*	*	*		150		
*	*	*	*	*	200	*	*	*	*		200		
*	*	*	*	*	250	*	*	*	*		250		
*	*	*	*	*	300	*	*	*	*		300		
*	*	*	*	*	350	*	*	*	*		350		
*	*	*	*	*	400	*	*	*	*		400		
*	*	*	*	*	450	*	*	*	*		450		
*	*	*	*	*	500	*	*	*	*		500		
*	*	*	*	*	550	*	*	*	*	*	550		
*	*	*	*	*	600	*	*	*	*	*	600		
*	*	*	*	*	650	*	*	*	*	*	650		
*	*	*	*	*	700	*	*	*	*	*	700		
*	*	*	*	*	750	*	*	*	*	*	750		
*	*	*	*	*	800	*	*	*	*	*	800		
*	*	*	*	*	850	*	*	*	*	*	850		
*	*	*	*	*	900	*	*	*	*	*	900		
*	*	*	*	*	950	*	*	*	*	*	950		
*	*	*	*	*	1000	*	*	*	*	*	1000		
*	*	*	*	*	1050	*	*	*	*	*	1050		
*	*	*	*	*	1100	*	*	*	*	*	1100		
*	*	*	*	*	1150	*	*	*	*	*	1150		
*	*	*	*	*	1200	*	*	*	*	*	1200		
*	*	*	*	*	1300	*	*	*	*	*	1300		
*	*	*	*	*	1400	*	*	*	*	*	1400		

Input

Input signal type	TC sensors
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Input – TC sensors

Sensor types (TC)	Type J Type K Type E Type N Type R Type S Type T Type B Type C
Measurement range temperature (TC)	-210 ... 1200 °C (Type J); -200 ... 1372 °C (Type K)
Cold junction compensation	On/Off (Default: On)
Cold junction error	3 K (typ. 2 K)

Output – Digital

Max. switching voltage (DO)	Supply voltage applied: -0.3 V
Max. continuous current (DO)	100 mA (no internal restriction)
Number of switching thresholds (DO)	1 or 2 (adjustable)
Configurable rise/fall delay time (DO)	0 ... 60 s (via software)

Output – Relay

Dielectric strength open contact (AC, 1 min)	1 kV _{rms}
Number of changeover/switchover contacts	1
Contact material (relay)	AgNi + Au
Max. switching voltage	AC 250 V
Limiting continuous current (relay; terminal block assembly)	6 A (≤ 60 °C); 3 A (60 ... 70 °C)
Dielectric strength open contact (AC, 1 min)	1 kV _{rms}
Pull-in time (typ.)	8 ms
Drop-out time (typ.)	4 ms
Bounce time (typ.)	8 ms
Number of switching thresholds (relay)	1 or 2 (adjustable)
Configurable rise/fall delay time (relay)	0 ... 60 s (via software)

Signal processing

Software filter; adjustable	moving mean value (filtering level: 30)
Hysteresis	adjustable via DIP switch or software
Step response typ.	60 ms (cold junction compensation off); 360 ms (cold junction

compensation on)

Measurement error

Transmission error max.	±1 K
Temperature coefficient	≤ 0.01 %/K

Power supply

Type of power supply	24 VDC
Nominal supply voltage U_S	DC 24 V
Supply voltage range	±30 %
Current consumption at supply voltage	≤ 40 mA (+ I_{D0})

Safety and protection:

Test voltage (input/output/supply)	AC 4 kV; 50 Hz; 1 min
Protection class	IP20

Connection data

Connection technology	Push-in CAGE CLAMP®
WAGO terminal	picoMAX® 5.0
Solid conductor	0.2 ... 2.5 mm² / 24 ... 12 AWG
Fine-stranded conductor	0.2 ... 2.5 mm² / 24 ... 12 AWG
Strip length	9 ... 10 mm / 0.35 ... 0.39 inch

Geometrical Data

Width	12.5 mm / 0.492 inch
Height from upper-edge of DIN-35 rail	107 mm / 4.213 inch
Depth	110 mm / 4.331 inch

Mechanical data

Type of mounting	DIN-35 rail
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Material Data

Fire load	0 MJ
Weight	105.8 g

Environmental Requirements

Surrounding air (operating) temperature	-40 ... 70 °C
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Surrounding air (storage) temperature -40 ... 85 °C

Standards and specifications

Conformity marking	CE
EMC immunity to interference	EN 61000-6-2; EN 61326-2-3; EN 50121-3-2
EMC emission of interference	EN 61000-6-4; EN 61326-2-3; EN 50121-3-2
Standards/specifications	EN 61010-1; EN 61373

Commercial data

Country of origin	DE
GTIN	4055143242318
Customs Tariff No.	90303380900

Compatible products

Marking accessories

	Item no.: 2009-110 Marking strips; on reel; not stretchable; plain; snap-on type	2009-110
	Item no.: 2009-115 WMB-Inline; for Smart Printer; on reel; stretchable 5 - 5.2 mm; plain; snap-on type	2009-115
	Item no.: 2009-115/000-002 WMB-Inline; for Smart Printer; on reel; stretchable 5 - 5.2 mm; plain; snap-on type	2009-115 /000-002
	Item no.: 2009-115/000-006 WMB-Inline; for smartPRINTER; on reel; stretchable 5 - 5.2 mm; plain; snap-on type	2009-115 /000-006
	Item no.: 2009-115/000-007 WMB-Inline; for Smart Printer; on reel; stretchable 5 - 5.2 mm; plain; snap-on type	2009-115 /000-007
	Item no.: 2009-115/000-012 WMB-Inline; for smartPRINTER; on reel; stretchable 5 - 5.2 mm; plain; snap-on type	2009-115 /000-012
	Item no.: 2009-115/000-017 WMB-Inline; for Smart Printer; on reel; stretchable 5 - 5.2 mm; plain; snap-on type	2009-115 /000-017
	Item no.: 2009-115/000-023 WMB-Inline; for Smart Printer; on reel; stretchable 5 - 5.2 mm; plain; snap-on type	2009-115 /000-023

	Item no.: 2009-115/000-024 WMB-Inline; for smartPRINTER; on reel; stretchable 5 - 5.2 mm; plain; snap-on type	/000-024	2009-115
	Item no.: 2009-141 Micro-WSB-Inline; on reel; plain; snap-on type		2009-141
	Item no.: 793-501 WMB marking card; as card; not stretchable; plain; snap-on type		793-501
	Item no.: 793-501/000-002 WMB marking card; as card; not stretchable; plain; snap-on type	/000-002	793-501
	Item no.: 793-501/000-005 WMB marking card; as card; not stretchable; plain; snap-on type	/000-005	793-501
	Item no.: 793-501/000-006 WMB marking card; as card; not stretchable; plain; snap-on type	/000-006	793-501
	Item no.: 793-501/000-007 WMB marking card; as card; not stretchable; plain; snap-on type	/000-007	793-501
	Item no.: 793-501/000-012 WMB marking card; as card; not stretchable; plain; snap-on type	/000-012	793-501
	Item no.: 793-501/000-017 WMB marking card; as card; not stretchable; plain; snap-on type	/000-017	793-501
	Item no.: 793-501/000-023 WMB marking card; as card; not stretchable; plain; snap-on type	/000-023	793-501
	Item no.: 793-501/000-024 WMB marking card; as card; not stretchable; plain; snap-on type	/000-024	793-501
	Item no.: 793-502 WMB marking card; as card; MARKED; 1 ... 10 (10x); not stretchable; Horizontal marking; snap-on type		793-502
	Item no.: 793-502/000-002 WMB marking card; as card; MARKED; 1 ... 10 (10x); not stretchable; Horizontal marking; snap-on type	/000-002	793-502
	Item no.: 793-502/000-005 WMB marking card; as card; MARKED; 1 ... 10 (10x); not stretchable; Horizontal marking; snap-on type	/000-005	793-502
	Item no.: 793-502/000-006 WMB marking card; as card; MARKED; 1 ... 10 (10x); not stretchable; Horizontal marking; snap-on type	/000-006	793-502

**Item no.: 793-502/000-007**

793-502

WMB marking card; as card; MARKED; 1 ... 10 (10x); not stretchable; Horizontal marking; snap-on type /000-007

**Item no.: 793-502/000-012**

793-502

WMB marking card; as card; MARKED; 1 ... 10 (10x); not stretchable; Horizontal marking; snap-on type /000-012

**Item no.: 793-502/000-017**

793-502

WMB marking card; as card; MARKED; 1 ... 10 (10x); not stretchable; Horizontal marking; snap-on type /000-017

**Item no.: 793-502/000-023**

793-502

WMB marking card; as card; MARKED; 1 ... 10 (10x); not stretchable; Horizontal marking; snap-on type /000-023

**Item no.: 793-502/000-024**

793-502

WMB marking card; as card; MARKED; 1 ... 10 (10x); not stretchable; Horizontal marking; snap-on type /000-024

**Item no.: 793-503**

793-503

WMB marking card; as card; MARKED; 11 ... 20 (10x); not stretchable; Horizontal marking; snap-on type

**Item no.: 793-503/000-002**

793-503

WMB marking card; as card; MARKED; 11 ... 20 (10x); not stretchable; Horizontal marking; snap-on type /000-002

**Item no.: 793-503/000-005**

793-503

WMB marking card; as card; MARKED; 11 ... 20 (10x); not stretchable; Horizontal marking; snap-on type /000-005

**Item no.: 793-503/000-006**

793-503

WMB marking card; as card; MARKED; 11 ... 20 (10x); not stretchable; Horizontal marking; snap-on type /000-006

**Item no.: 793-503/000-007**

793-503

WMB marking card; as card; MARKED; 11 ... 20 (10x); not stretchable; Horizontal marking; snap-on type /000-007

**Item no.: 793-503/000-012**

793-503

WMB marking card; as card; MARKED; 11 ... 20 (10x); not stretchable; Horizontal marking; snap-on type /000-012

**Item no.: 793-503/000-017**

793-503

WMB marking card; as card; MARKED; 11 ... 20 (10x); not stretchable; Horizontal marking; snap-on type /000-017

**Item no.: 793-503/000-023**

793-503

WMB marking card; as card; MARKED; 11 ... 20 (10x); not stretchable; Horizontal marking; snap-on type /000-023

**Item no.: 793-503/000-024**

793-503

WMB marking card; as card; MARKED; 11 ... 20 (10x); not stretchable; Horizontal marking; snap-on type /000-024

**Item no.: 793-504**

793-504

WMB marking card; as card; MARKED; 21 ... 30 (10x); not stretchable; Horizontal marking; snap-on type

**Item no.: 793-504/000-002**

WMB marking card; as card; MARKED; 21 ... 30 (10x); not stretchable; Horizontal marking; snap-on type

/000-002

793-504

**Item no.: 793-504/000-005**

WMB marking card; as card; MARKED; 21 ... 30 (10x); not stretchable; Horizontal marking; snap-on type /000-005

793-504

**Item no.: 793-504/000-006**

WMB marking card; as card; MARKED; 21 ... 30 (10x); not stretchable; Horizontal marking; snap-on type /000-006

793-504

**Item no.: 793-504/000-012**

WMB marking card; as card; MARKED; 21 ... 30 (10x); not stretchable; Horizontal marking; snap-on type /000-012

793-504

**Item no.: 793-504/000-017**

WMB marking card; as card; MARKED; 21 ... 30 (10x); not stretchable; Horizontal marking; snap-on type /000-017

793-504

**Item no.: 793-504/000-023**

WMB marking card; as card; MARKED; 21 ... 30 (10x); not stretchable; Horizontal marking; snap-on type /000-023

793-504

**Item no.: 793-505**

WMB marking card; as card; MARKED; 31 ... 40 (10x); not stretchable; Horizontal marking; snap-on type

793-505

**Item no.: 793-505/000-005**

WMB marking card; as card; MARKED; 31 ... 40 (10x); not stretchable; Horizontal marking; snap-on type /000-005

793-505

**Item no.: 793-505/000-006**

WMB marking card; as card; MARKED; 31 ... 40 (10x); not stretchable; Horizontal marking; snap-on type /000-006

793-505

**Item no.: 793-505/000-007**

WMB marking card; as card; MARKED; 31 ... 40 (10x); not stretchable; Horizontal marking; snap-on type /000-007

793-505

**Item no.: 793-505/000-012**

WMB marking card; as card; MARKED; 31 ... 40 (10x); not stretchable; Horizontal marking; snap-on type /000-012

793-505

**Item no.: 793-506**

WMB marking card; as card; MARKED; 41 ... 50 (10x); not stretchable; Horizontal marking; snap-on type

793-506

**Item no.: 793-506/000-005**

WMB marking card; as card; MARKED; 41 ... 50 (10x); not stretchable; Horizontal marking; snap-on type /000-005

793-506

**Item no.: 793-506/000-006**

WMB marking card; as card; MARKED; 41 ... 50 (10x); not stretchable; Horizontal marking; snap-on type /000-006

793-506

**Item no.: 793-506/000-012**

WMB marking card; as card; MARKED; 41 ... 50 (10x); not stretchable; Horizontal marking; snap-on type /000-012

793-506

**Item no.: 793-506/000-017**

793-506

WMB marking card; as card; MARKED; 41 ... 50 (10x); not stretchable; Horizontal marking; snap-on type /000-017

**Item no.: 793-5501**

793-5501

WMB marking card; as card; for terminal block width 5 - 17.5 mm; stretchable 5 - 5.2 mm; plain; snap-on type

**Item no.: 793-5501/000-002**

793-5501

WMB marking card; as card; for terminal block width 5 - 17.5 mm; stretchable 5 - 5.2 mm; plain; snap-on type /000-002

**Item no.: 793-5501/000-005**

793-5501

WMB marking card; as card; stretchable 5 - 5.2 mm; plain; snap-on type /000-005

**Item no.: 793-5501/000-006**

793-5501

WMB marking card; as card; stretchable 5 - 5.2 mm; plain; snap-on type /000-006

**Item no.: 793-5501/000-007**

793-5501

WMB marking card; as card; stretchable 5 - 5.2 mm; plain; snap-on type /000-007

**Item no.: 793-5501/000-012**

793-5501

WMB marking card; as card; stretchable 5 - 5.2 mm; plain; snap-on type /000-012

**Item no.: 793-5501/000-014**

793-5501

WMB marking card; as card; stretchable 5 - 5.2 mm; plain; snap-on type /000-014

**Item no.: 793-5501/000-017**

793-5501

WMB marking card; as card; stretchable 5 - 5.2 mm; plain; snap-on type /000-017

**Item no.: 793-5501/000-023**

793-5501

WMB marking card; as card; stretchable 5 - 5.2 mm; plain; snap-on type /000-023

**Item no.: 793-5501/000-024**

793-5501

WMB marking card; as card; stretchable 5 - 5.2 mm; plain; snap-on type /000-024

**Item no.: 793-566**

793-566

WMB marking card; as card; MARKED; 1 ... 50 (2x); not stretchable; Horizontal marking; snap-on type

**Item no.: 793-566/000-002**

793-566

WMB marking card; as card; MARKED; 1 ... 50 (2x); not stretchable; Horizontal marking; snap-on type /000-002

**Item no.: 793-566/000-005**

793-566

WMB marking card; as card; MARKED; 1 ... 50 (2x); not stretchable; Horizontal marking; snap-on type /000-005

**Item no.: 793-566/000-006**

793-566

WMB marking card; as card; MARKED; 1 ... 50 (2x); not stretchable; Horizontal marking; snap-on type /000-006

**Item no.: 793-566/000-007**

WMB marking card; as card; MARKED; 1 ... 50 (2x); not stretchable; Horizontal marking; snap-on type

/000-007

793-566

**Item no.: 793-566/000-012**

WMB marking card; as card; MARKED; 1 ... 50 (2x); not stretchable; Horizontal marking; snap-on type

/000-012

793-566

**Item no.: 793-566/000-017**

WMB marking card; as card; MARKED; 1 ... 50 (2x); not stretchable; Horizontal marking; snap-on type

/000-017

793-566

**Item no.: 793-566/000-023**

WMB marking card; as card; MARKED; 1 ... 50 (2x); not stretchable; Horizontal marking; snap-on type

/000-023

793-566

**Item no.: 793-566/000-024**

WMB marking card; as card; MARKED; 1 ... 50 (2x); not stretchable; Horizontal marking; snap-on type

/000-024

793-566

tools**Item no.: 210-720**

Operating tool with partially insulated shaft; Type 2, blade (3.5 x 0.5) mm

210-720

assembling**Item no.: 249-116**

Screwless end stop; 6 mm wide; for DIN-rail 35 x 15 and 35 x 7.5

249-116

**Item no.: 249-117**

Screwless end stop; 10 mm wide; for DIN-rail 35 x 15 and 35 x 7.5

249-117

**Item no.: 249-197**

Screwless end stop; 14 mm wide; for DIN-rail 35 x 15 and 35 x 7.5

249-197

General accessories**Item no.: 2857-900**

Configuration display

2857-900

**Item no.: 750-921**

Bluetooth® Adapter

750-921

**Item no.: 750-923**

Configuration cable; USB connector; Length: 2.5 m

750-923

**Item no.: 750-923/000-001**

Configuration cable; USB connector; Length: 5 m

/000-001

750-923

**Item no.: 857-304**

Relay module; Nominal input voltage: 24 VDC; 1 changeover contact; Limiting continuous current: 6 A; Yellow status indicator; Module width: 6 mm

857-304

**Item no.: 857-979**

Supply and through module

857-979

check**Item no.: 735-500**

Test pin; 1 mm Ø; with solder connection for test wire

735-500

Jumper

	Item no.: 281-482 Comb-style jumper bar; insulated; 2-way; IN = IN terminal block	281-482
	Item no.: 859-402 Push-in type jumper bar; 2-way; Nominal current 18 A; insulated	859-402
	Item no.: 859-402/000-005 Push-in type jumper bar; 2-way; Nominal current 18 A; insulated	859-402 /000-005
	Item no.: 859-402/000-006 Push-in type jumper bar; 2-way; Nominal current 18 A; insulated	859-402 /000-006
	Item no.: 859-402/000-029 Push-in type jumper bar; 2-way; Nominal current 18 A; insulated	859-402 /000-029
power supply		
	Item no.: 787-2852 Switched-mode power supply; for JUMPFLEX® Signal Conditioners; 1-phase; 24 VDC output voltage; 1 A output current	787-2852

Downloads

Documentation

Bid Text

2857-534	Mar 9, 2016	doc 32.3 kB	Download
Grenzwertschalter			

Instruction Leaflet

JUMPFLEX® Signal Conditioner, RTD Threshold Value Switch	pdf 2.5 MB	Download
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Additional Information

Disposal; Electrical and electronic equipment, Packaging	V 1.0.0	pdf 265.8 kB	Download
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Engineering-Software

Software for Interface-Products

Interface Configuration Software FULL	1.6.2.11	exe	Download
The full setup, in addition to the WAGO Interface Configuration Software, includes the installation for the Microsoft .NET Framework.	Jan 14, 2019	97.5 MB	
Interface Configuration Software SMALL	1.6.2.11	exe	Download
The full setup only includes the WAGO Interface Configuration Software.	Jan 14, 2019	47.1 MB	



CAD/CAE - Smart Data

CAD data

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Subject to changes.