






WATANABE Product List for Signal converters

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No.	Series	Model	Description	Input	Output	Power supply	Size		
1	WSPF series (New Plug-in type)	WSPF-IS	 Isolator	DC Voltage / Current	DC Voltage / Current	AC / DC	84x23x106.5mm		
2		WSPF-DS			Isolator		DC Voltage / Current	84x23x106.5mm	
3		WSPF-DSW			2-output Isolator		DC Voltage / Current x2ch	84x29.5x106.5mm	
4		WSPF-DE			High-speed Isolator		DC Voltage / Current	84x23x106.5mm	
5		WSPF-DEW			2-output high-speed Isolator		DC Voltage / Current x2ch	84x29.5x106.5mm	
6		WSPF-THS			Thermocouple converter		Thermocouple	DC Voltage / Current	84x23x106.5mm
7		WSPF-THW			2-output Thermocouple converter		DC Voltage / Current x2ch	84x29.5x106.5mm	
8		WSPF-RTS			RTD converter		RTD	DC Voltage / Current	84x23x106.5mm
9		WSPF-RTW			2-output RTD converter		DC Voltage / Current x2ch	84x29.5x106.5mm	
10		WSPF-MS			Potentiometer converter		Potentiometer	DC Voltage / Current	84x23x106.5mm
11		WSPF-MSW			2-output Potentiometer converter		DC Voltage / Current x2ch	84x29.5x106.5mm	
12		WSPF-DBZ			Distributor (Current loop supply)		DC Voltage / Current	DC Voltage / Current	84x23x106.5mm
13		WSPF-DBZW			2-output Distributor (Current loop supply)		DC Voltage / Current x2ch	DC Voltage / Current x2ch	84x29.5x106.5mm
14	WSP series (Plug-in type)	WSP-2DS	 2-channel Isolator	DC Voltage / Current x2ch	DC Voltage / Current x2ch	AC / DC	84x29.5x106.5mm		
15		WSP-2NDS			2-channel loop powered Isolator	DC Voltage / Current x2ch	DC Voltage / Current x2ch	None	84x23x106.5mm
16		WSP-AZ / EZ			AC converter	AC Voltage / Current	DC Voltage / Current	AC / DC	84x23x106.5mm
17		WSP-ACW / EFW			2-output AC converter	DC Voltage / Current x2ch	DC Voltage / Current x2ch	84x29.5x106.5mm	
18		WSP-CTA / CTE			CT converter	AC Current	DC Voltage / Current	84x23x106.5mm	
19		WSP-CTAW / CTEW			2-output CT converter	DC Voltage / Current x2ch	DC Voltage / Current x2ch	84x29.5x106.5mm	
20		WSP-PTA / PTE			PT converter	AC Voltage	DC Voltage / Current	84x23x106.5mm	
21		WSP-PTAW / PTEW			2-output PT converter	DC Voltage / Current x2ch	DC Voltage / Current x2ch	84x29.5x106.5mm	
22		WSP-FZP			2-output pulse Isolator(with sensor power)	Pulse / Frequency	DC Voltage / Current x2ch	84x29.5x106.5mm	
23		WSP-FV			Pulse to DC converter	DC Voltage / Current	DC Voltage / Current	84x23x106.5mm	
24		WSP-FVW			2-output pulse to DC converter	DC Voltage / Current x2ch	DC Voltage / Current x2ch	84x29.5x106.5mm	
25		WSP-VF			DC to pulse converter	DC Voltage / Current	Pulse / Frequency	84x23x106.5mm	
26		WSP-HP			Alarm setter for 1-point setting		Relay	84x23x106.5mm	
27	WSP-HL	Alarm setter for 2-point setting			84x29.5x106.5mm				
28	TZ series (Compact type)	TZ-1FA	 Extremely small DC signal isolator	DC Voltage / Current	DC Voltage / Current	AC	98x25x41mm		
29		TZ-5FA			Extremely small DC signal isolator			DC	
30		TZ-1XA			Isolator			AC	
31		TZ-5XA			Isolator			DC	
32		TZ-41			Loop powered isolator			None	
33		TZ-1CA			Thermocouple Temperature converter	Thermocouple		AC	
34		TZ-5CA			Thermocouple Temperature converter			DC	
35		TZ-1AA			RTD Temperature converter	RTD		AC	
36		TZ-5AA			RTD Temperature converter			DC	
37		TZ-1BA			Potentiometer converter	Potentiometer		AC	
38		TZ-5BA			Potentiometer converter			DC	
39		TZ-1DA			AC current converter(true RMS value)	AC Voltage / Current		AC	
40		TZ-5DA			AC current converter(true RMS value)			DC	
41		TZ-1EA			AC voltage converter (true RMS value)			AC	
42		TZ-5EA			AC voltage converter (true RMS value)			DC	
43	TZ-5LA	Distributor (Current loop supply)		DC					
44	TW series	TW-2X	 2-output isolator	DC Voltage / Current	DC Voltage / Current x2ch	DC	98x48x41mm		
45		TW-2XA			2-output isolator			AC	
46		TW-4M			Universal isolator	DC Voltage / Current		AC / DC	
47		TW-2C			2-output Temperature converter	Thermocouple / RTD		DC Voltage / Current x2ch	DC
48		TW-3S			Load cell converter	Loadcell		DC Voltage / Current	DC
49	TH series (Thin type)	TH-2F/5F	 Extremely small DC signal isolator	DC Voltage / Current	DC Voltage / Current	AC / DC	103x12.5x115mm		
50		TH-2X/5X			Isolator			AC / DC	
51		TH-2M/5M			Universal isolator			AC / DC	
52		TH-41			Loop powered isolator			None	
53		TH-2C/5C			Thermocouple Temperature converter	Thermocouple		AC / DC	
54		TH-2A/5A			RTD Temperature converter	RTD		AC / DC	
55		TH-2B/5B			Potentiometer converter	Potentiometer		AC / DC	