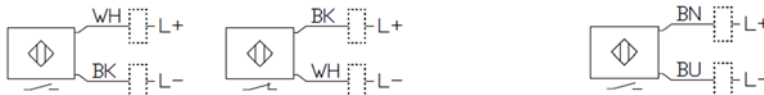


Instrument Data Sheet

General	1	Product	Compact Belt Speed Detector with 2-Wire Inductive Sensor		
	2	Model Number	BSDC-2S		
	3	Manufacturer	Conveyor Components Company		
	4				
Environment	5	Ambient Temperature	-20 to 70 °C [-4 to 158 °F]		
	6	Material: Frame	Powder coated steel with zinc plated hardware		
	7	Material: Wheel	Glass Filled Nylon		
	8	Sensor Enclosure Rating	IP 67 (dust tight, watertight)		
	9	Mounting	2 × Ø 13/32" [10 mm] holes (mounting hardware included)		
	10				
	11				
Electrical	12	Sensor Type	12mm [½"] non-contact inductive probe		
	13	Output Type	PNP/NPN 2-wire pulse rate speed encoder		
	14	Operating Voltage	10-55 VDC	10-30 VDC *(see notes)	
	15	Current Rating	400 mA	<100 mA *(see notes)	
	16	Wire Color	White/Black	Brown/Blue*(see notes)	
	17	Indicating Lamp	LED on sensor body		
	18	Controller	Compatible with RMS Series controllers, or other user supplied controllers (PLC, DCS, direct output, etc.)		
	19	Pulse Rate Scaling Factor	1 Hz =	0.175 ft/s	
	20			10.472 ft/min	
	21			0.119 mph	
	22			0.0532 m/s	
	23			0.192 km/h	
	24		1 ft/s =	5.730 Hz	
	25		1 ft/min =	0.0955 Hz	
	26		1 mph =	8.403 Hz	
	27		1 m/s =	18.798 Hz	
28	1 km/h =		5.222 Hz		
Mechanical	29	Wheel Diameter	Ø 4" [102 mm]		
	30	Sensor Target	6 per wheel		
	31	Max Belt Speed	10 mph, 880 fpm [16.1 km/hr, 4.47 m/s]		
	32	Safety Restraint	Safety Cable (included standard): Two 15" [0.4 m] lengths of vinyl coated aircraft cable. (replacement part 21310110)		
	33		Safety Chain Kit (optional): Two 4' [1.2 m] lengths of safety chain, with attachment hardware (part# 21310111)		
34					
35					
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Manufacturer	40	Conveyor Components Company Division of Material Control, Inc. 130 Seltzer Road, PO Box 167 Croswell, MI 48422 USA (810) 679-4211 info@conveyorcomponents.com www.conveyorcomponents.com <div style="text-align: center;">®</div>			

Notes: *An alternate sensor may be supplied when purchased with an RMS controller



For RMS-1G/RMS-2G/RMS-3G controllers, see datasheets: DATA-0164, DATA-0170, DATA-0171.