


Instrument Data Sheet

General	1	Product	Damaged Belt Detector / Belt Rip Detector
	2	Model Number	DBD-100
	3	Manufacturer	Conveyor Components Company
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Environment	5	Certified Ambient Temperature	-25 to 40 °C [-13 to 104 °F] (increased actuation force may be required below -10 °C [-14 °F])
	6	Functional Ambient Temperature	-40 to 40 °C [-40 to 104 °F] (increased actuation force may be required below -10 °C [-14 °F])
	7	Enclosure Material	319 cast aluminum
	8	Enclosure Rating	NEMA Type 4, 4X; Type 9: Class II (Div. 1 & 2), Groups E, F & G
	9	Mounting	4 holes at $\varnothing^{13/32}$ [10 mm]; surface mount
	10		
Switch	11	Switch Type	SPDT x 2
	12	Contact Type	Dry contact
	13	Contact Rating	20A @ 125V, 250V or 480V AC; 1 hp @ 125V AC; 2 hp @ 250V AC; ½ A @ 125V DC; ¼ A @ 250V DC
	14	Electrical Action	Latching (via actuator)
	15	Electrical Connection	1" NPT x 2
	16	Indicating Lamp	None
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	18		
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Actuator	20	Type	Damaged belt detector
	21	Cable Length	10' [3 m] standard
	22	Cable Material	$\varnothing^{3/32}$ [2 mm] galvanized aircraft cable: orange vinyl coated to $\varnothing^{3/16}$ [5 mm]
	23	Mechanism	Ball & socket with sprung shaft
	24	Non-activated State	Ball seated in socket
	25	Activated State	Ball removed from socket
	26	Action	Latching (To reset, reseal ball in socket)
	27	Actuation Force	4 lb. [18 N] pull (models with other pulls available)
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Options	30	Finish	Uncoated (standard) or epoxy coating (option E)
	31	Activation Force	4 lb. [18 N] (DBD-100), 8 lb. [36 N] (DBD-108) and 16 lb. [71 N] (DBD-116) pull models available (factory option only, non-adjustable).
	32	Cable Length	10' [3 m] (standard) or custom length (option -"length in ft.")
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	35		
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Certifications	37	UL Certification File	NMFT.E83971, NOIV.E71075
	38	cUL Certification File	NMFT7.E83971, NOIV7.E71075
	39		
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
Notes: 1. Typically used in pairs to provide proper protection			