

Instrument Data Sheet

General	1	Product	Damaged Belt Detector / Belt Rip Detector
	2	Model Number	DB-100
	3	Manufacturer	Conveyor Components Company
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Environment	5	Certified Ambient Temperature Rating	40 °C [104 °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
	9	Mounting	4 holes at $\varnothing^{13/32}$ " [10 mm] horizontal surface mount
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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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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] (DB-100), 8 lb. [36 N] (DB-108) and 16 lb. [71 N] (DB-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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Certifications	37	UL Certification File	NMFT.E83971
	38	cUL Certification File	NMFT7.E83971
	39		
Manufacturer	40		