Instrument Data Sheet

General	1	Product	Damaged Belt Detector / Belt Rip Detector
	2	Model Number	DBD-116
	3	Manufacturer	Conveyor Components Company
	4		
Environment	5	Certified Ambient Temperature Rating[2]	-25 to 40 °C [-13 to 104 °F] (increased actuation force may be required below -10 °C [14 °F])
	6	Actuation Ambient Temperature[2]	-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 Ø $^{13}/_{32}$" [10 mm]; surface mount
	10		
Switch	11	Switch Type	SPDT x 2
	12	Contact Type	Dry contact
	13	Contact Rating	20 A @ 125, 250 or 480 VAC; 1 hp @ 125 VAC; 2 hp @ 250 VAC; ½ A @ 125 VDC; ¼ A @ 250 VDC
	14	Electrical Action	Latching (via actuator)
	15	Electrical Connection	1" NPT x 2
	16	Indicating Lamp	None
	17		
	18		
	19		
Actuator	20	Type	Damaged belt detector
	21	Cable Length	10' [3 m] standard
	22	Cable Material	Ø $^{3}/_{32}$" [2 mm] galvanized aircraft cable: orange vinyl coated to Ø $^{3}/_{16}$" [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, reseat ball in socket)
	27	Actuation Force	16 lb. [71 N] pull (models with other pulls available)
	28		
	29		
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.")
	33		
	34		
	35		
	36		
Certifications	37	$_{C}$ UL $_{US}$ Certification File	E83971, E71075
	38		
	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
2. Switch actuation verified down to -40 C [-40 F]. UL certification not applicable below -25 C [-13 F].

©Copyright Conveyor Components Company 2022

Division of Material Control, Inc.