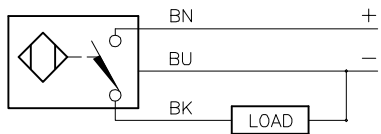


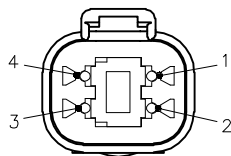
WIRING DIAGRAM



OUTPUT: AP45X2LD

SHORT-CIRCUIT AND OVERLOAD PROTECTED

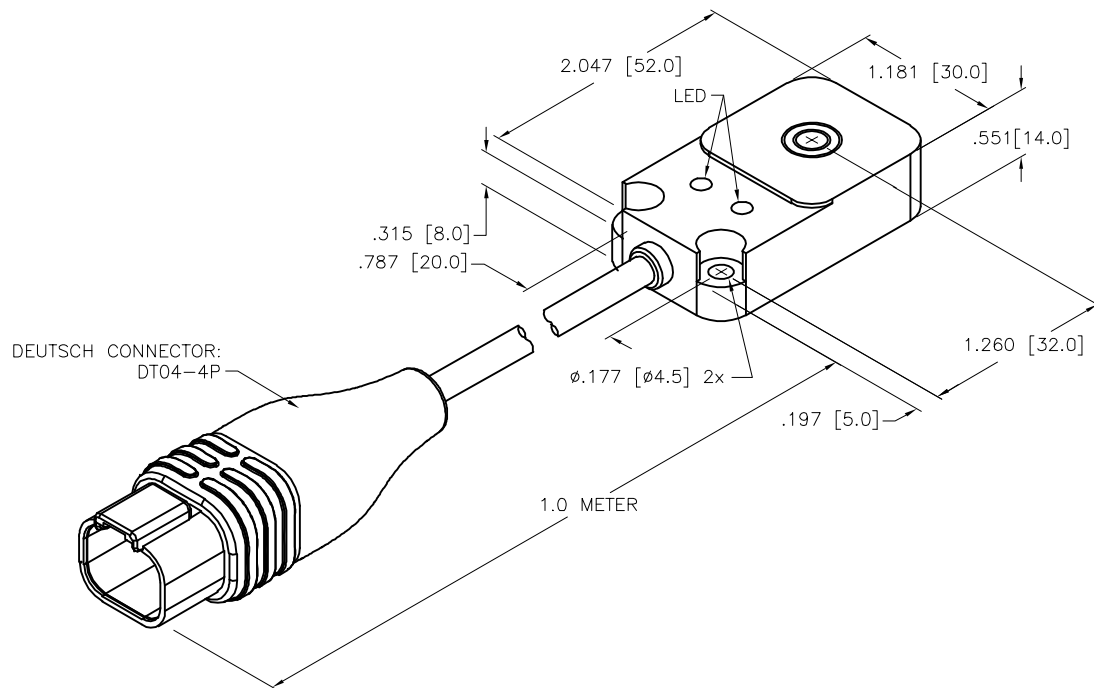
MALE END VIEW



- 1 = BROWN
- 2 = N/C
- 3 = BLACK
- 4 = BLUE

SPECIFICATIONS

RATED OPERATING DISTANCE	10mm = .394"
MOUNTING MODE	FLUSH
MIN. REPEAT ACCURACY	≤ 2%
TEMPERATURE DRIFT	≤ ±10%
HYSTERESIS	3-15%
OPERATING TEMPERATURE	-40°C to +85°C (-40°F to +185°F)
RATED OPERATIONAL VOLTAGE	8.4-65 VDC
MAX. RIPPLE	≤ 10%
DC RATED OPERATIONAL CURRENT	≤ 200 mA
NO-LOAD CURRENT	≤ 15 mA
RESIDUAL CURRENT	≤ 0.1 mA
RATED INSULATION VOLTAGE	≤ 0.5 kV
SHORT-CIRCUIT PROTECTION	YES, CYCLIC
MAX. VOLTAGE DROP	≤ 1.8 V
WIRE BREAKAGE PROTECTION	INCORPORATED
REVERSE POLARITY PROTECTION	INCORPORATED
OUTPUT FUNCTION	3-WIRE, NORMALLY OPEN, PNP
MAX. SWITCHING FREQUENCY	≤ 0.5 kHz
HOUSING MATERIAL	PLASTIC, PBT-GF30-V0
MATERIAL ACTIVE FACE	PLASTIC, PBT-GF30-V0
CABLE	∅5.2, 3x20 AWG, TPE
VIBRATION RESISTANCE	55 Hz, 1 mm AMPLITUDE (IN ALL 3 PLANES)
SHOCK RESISTANCE	30 g, 11 ms
DEGREE OF PROTECTION	IP68/69K (SENSOR) IP67, IP69K (CONNECTOR)
OPERATING VOLTAGE DISPLAY	LED, GREEN
SWITCHING STATUS INDICATION	LED, YELLOW
LOAD & DUMP PROTECTION	DIN 40839 (SAE J 1113-11)



DEUTSCH CONNECTOR:  
DT04-4P

NOTES:

- 1. DEUTSCH PARTS: # DT04-4P-CE02 (CONNECTOR)
- # W4P (WEDGE LOCK)
- # 0460-202-1631 (PIN TERMINAL, GOLD)

- PINOUT:
- 1 = BROWN
  - 2 = N/C
  - 3 = BLACK
  - 4 = BLUE

SOURCE DRAWING - FOR REFERENCE ONLY

RELATED DOCUMENTS		3RD ANGLE PROJECTION		THIS DRAWING IS CONFIDENTIAL AND THE PROPERTY OF TURCK INC. USE OF THIS DOCUMENT WITHOUT WRITTEN PERMISSION IS PROHIBITED.		<p>3000 CAMPUS DRIVE MINNEAPOLIS, MN 55441 1-800-544-7769 (763) 553-7300 (763) 553-0708 fax www.turck.us</p>	
1.	2.	3.	4.	DRFT	RDS	DATE	04/13/21
MATERIAL SEE SPECIFICATIONS				APVD	A.F.	SCALE	1=1.3
FINISH				UNIT OF MEASUREMENT			
CONTACT TURCK FOR MORE INFORMATION				INCH [ MILLIMETER ]			
DO NOT SCALE THIS DRAWING				DESCRIPTION		BI10-Q14-AP45X2LD-1-DT04-4PM4.31	
				IDENTIFICATION NO.		REV	
				100033678		A	
				FILE: 100033678		SHEET 1 OF 1	

A	DRAWING RELEASE	ER	09/17/21	
REV	DESCRIPTION	BY	DATE	ECO NO.