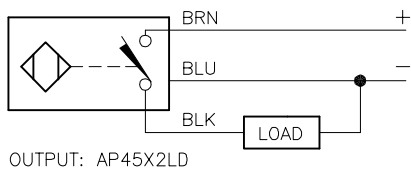
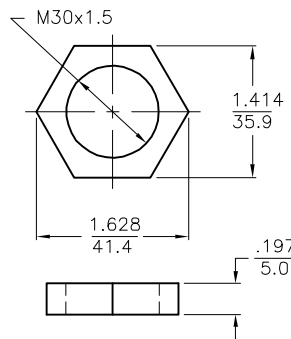


WIRING DIAGRAM

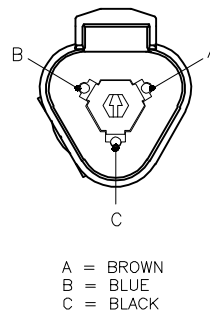


SHORT-CIRCUIT AND OVERLOAD PROTECTED

LOCKNUT LN-EM30

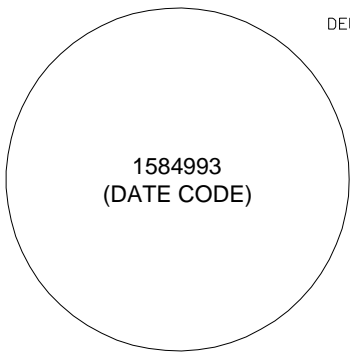
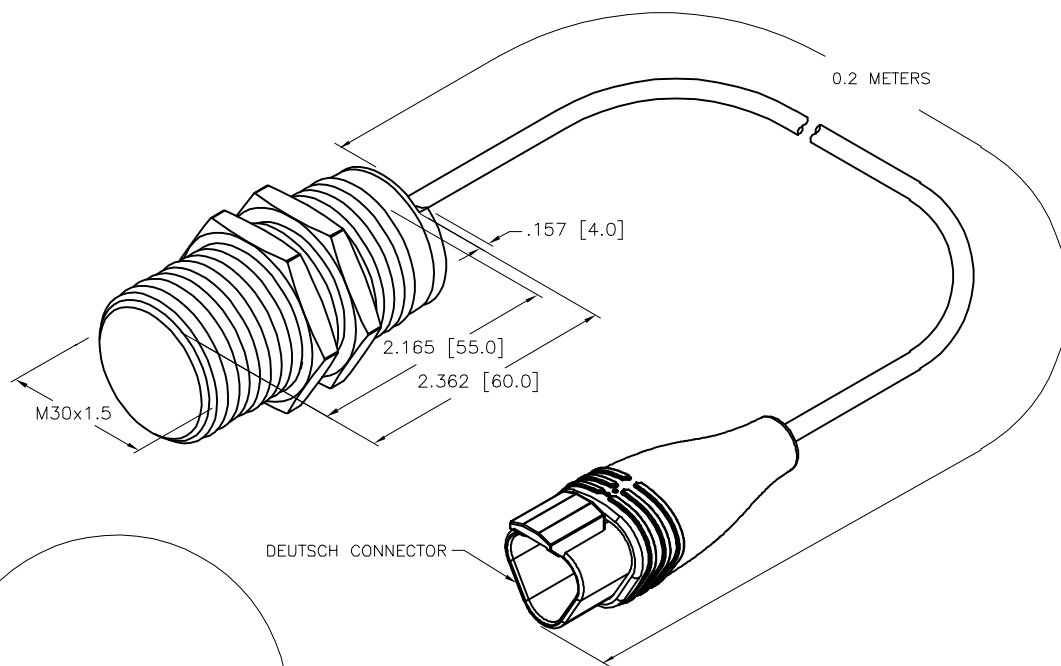


MALE END VIEW



SPECIFICATIONS

RATED OPERATING DISTANCE	15.0 mm [.591"]
MOUNTING MODE	FLUSH
TEMPERATURE DRIFT	≤ ±10% ≤ ±15%, ≤ -25°C V ≥ +70°C
HYSTERESIS	3-15%
MIN. REPEAT ACCURACY	≤ 2%
AMBIENT TEMPERATURE	-40°C to +85°C (-40°F to +185°F)
OPERATING VOLTAGE	8.4-65 VDC
RESIDUAL RIPPLE	≤ 10%
DC OPERATIONAL CURRENT	≤ 200 mA
NO-LOAD CURRENT	≤ 15 mA
RESIDUAL CURRENT	≤ 0.1 mA
RATED INSULATION VOLTAGE	≤ 0.5 kV
OUTPUT FUNCTION	3-WIRE, NORMALLY OPEN, PNP
SHORT-CIRCUIT PROTECTION	YES
MAX. VOLTAGE DROP	≤ 1.8 V
WIRE BREAKAGE PROTECTION	INCORPORATED
REVERSE POLARITY PROTECTION	INCORPORATED
LOAD DUMP PROTECTION	IV/LEVEL 4, din 40839 (SAE J 1113-11)
SWITCHING FREQUENCY	≤ 0.5 kHz
HOUSING MATERIAL	SST, AISI 304 (1.4301)
ACTIVE FACE MATERIAL	PLASTIC, PA12-GF30
END CAP MATERIAL	PLASTIC, EPTR
CONNECTION	CABLE
CABLE	∅5.2, Lif32Y32Y, TPE
VIBRATION RESISTANCE	55 Hz (IN ALL 3 PLANES)
SHOCK RESISTANCE	150 g, 6 ms, (IN ALL 3 PLANES)
DEGREE OF PROTECTION	IP68/IP69K
SWITCHING STATUS INDICATION	LED/YELLOW
NOISE IMMUNITY	100 V/m RADIATED & 100 mA BCI



PART NUMBER LASER  
1584993 MARKED ON FACE

DEUTSCH PART NUMBERS:  
CONNECTOR: DT04-3P-CE02  
LOCKING WEDGE: W3P  
PINS: 0460-202-16141 (3x)

PINOUT:  
A = BROWN  
B = BLUE  
C = BLACK

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.		3000 CAMPUS DRIVE MINNEAPOLIS, MN 55441 1-800-544-7769 (763) 553-7300 (763) 553-0708 fax www.turck.us	
1.		DRFT	TV	DATE	11/21/16
2.		APVD	A.F.	SCALE	1=1.5
3.		UNIT OF MEASUREMENT		DESCRIPTION	
4.		INCH [ MILLIMETER ]		BI15-EM30-AP45XLD-0.2-DT04-3PM3	
MATERIAL	ALL DIMENSIONS DISPLAYED ON THIS DRAWING ARE FOR REFERENCE ONLY	CONTACT TURCK FOR MORE INFORMATION		IDENTIFICATION NO.	
SEE SPECIFICATIONS		DO NOT SCALE THIS DRAWING		1584993	
FINISH	SEE SPECIFICATIONS	FILE: 1584993		REV	
				C	
				SHEET 1 OF 1	

C	UPDATED DRAWING	AS	09/29/23	79320
REV	DESCRIPTION	BY	DATE	ECO NO.