





RATED OPERATING DISTANCE  MOUNTING MODE  TEMPERATURE DRIFT  ≤±10% ≤±15%, ≤25°C v ≥ +70°c  HYSTERESIS  3-15%  MIN. REPEAT ACCURACY  ○PERATING TEMPERATURE  -30°C to +85°C (-22°F to +185°F)  RATED OPERATIONAL VOLTAGE  DC RATED OPERATIONAL CURRENT  NO-LOAD CURRENT  RATED INSULATION VOLTAGE  MAX. VOLTAGE DROP  SHORT-CIRCUIT PROTECTED  WIRE-BREAK PROTECTION  MINCORPORATED  OUTPUT FUNCTION  MAX. SWITCHING FREQUENCY  HOUSING MATERIAL  ACTIVE FACE MATERIAL  PLASTIC, LCP-GF30, YELLOW  VIBRATION  DEGREE OF PROTECTION  IP67  OPERATING VOLTAGE DISPLAY  LED: GREEN  SWITCHING STATUS INDICATION  LED: YELLOW  LE	SPE	CIFICATIONS							
TEMPERATURE DRIFT	RATED OPERATING DISTANCE	5mm = .197" (NOMINAL)							
S±15%, ≤25°C v ≥ +70°c  HYSTERESIS  3−15%  MIN. REPEAT ACCURACY  ○PERATING TEMPERATURE  RATED OPERATIONAL VOLTAGE  DC RATED OPERATIONAL CURRENT  CRESIDUAL RIPPLE  □C RATED OPERATIONAL CURRENT  □C RATED OPERATIONAL CURRENT  □C RATED INSULATION VOLTAGE  SHORT—CIRCUIT PROTECTED  WIRE—BREAK PROTECTION  WIRE—BREAK PROTECTION  MAX. VOLTAGE DROP  WIRE—BREAK PROTECTION  MAX. SWITCHING FREQUENCY  HOUSING MATERIAL  ACTIVE FACE MATERIAL  CABLE  Ø4.0, Lify—11Y, TPU  SHOCK  VIBRATION  DEGREE OF PROTECTION  IP67  OPERATING VOLTAGE DISPLAY  LED: GREEN	MOUNTING MODE	FLUSH							
MIN. REPEAT ACCURACY  OPERATING TEMPERATURE  -30°C to +85°C (−22°F to +185°F)  RATED OPERATIONAL VOLTAGE  10−30 VDC  RESIDUAL RIPPLE  □ C RATED OPERATIONAL CURRENT  S 15 mA  RESIDUAL CURRENT  RESIDUAL CURRENT  RATED INSULATION VOLTAGE  MAX. VOLTAGE DROP  S 1.8 V  REVERSE POLARITY PROTECTION  WIRE—BREAK PROTECTION  MORMALLY OPEN, 3—WIRE, NPN  MAX. SWITCHING FREQUENCY  HOUSING MATERIAL  ACTIVE FACE MATERIAL  CABLE  SHOCK  VIBRATION  DEGREE OF PROTECTION  DEGREE OF PROTECTION  P30°C to +85°C (−22°F to +185°F)  A0°C to +85°C (−22°F to +185°F)  10−30 VDC  ACTIVE to +185°F)  ACTIVE FACE MATERIAL  METAL, GD—SHAPLITY  METAL, GD—SHAPLITY  METAL, GD—ZN, BLACK  ACTIVE FACE MATERIAL  PLASTIC, LCP—GF30, YELLOW  MAX. VIBRATION  DEGREE OF PROTECTION  D	TEMPERATURE DRIFT	1 - 1 -							
OPERATING TEMPERATURE  -30°C to +85°C (-22°F to +185°F)  RATED OPERATIONAL VOLTAGE  10-30 VDC  RESIDUAL RIPPLE  ≤10%  DC RATED OPERATIONAL CURRENT  × 200 mA  NO-LOAD CURRENT  RESIDUAL CURRENT  RATED INSULATION VOLTAGE  ≤0.1 mA  RATED INSULATION VOLTAGE  × 20.5 kV  SHORT-CIRCUIT PROTECTED  WIRE-BREAK PROTECTION  WIRE-BREAK PROTECTION  OUTPUT FUNCTION  MAX. SWITCHING FREQUENCY  HOUSING MATERIAL  ACTIVE FACE MATERIAL  CABLE  WHAT. 1 mm AMPLITUDE  WIREATION  DEGREE OF PROTECTION  DEGREE OF PROTECTION  DEGREE  PLASTIC, LCP-GF30, YELLOW  VIBRATION  1P67  OPERATING VOLTAGE DISPLAY  LED: GREEN	HYSTERESIS	3-15%							
RATED OPERATIONAL VOLTAGE  RESIDUAL RIPPLE  □ C RATED OPERATIONAL CURRENT  □ C RATED INSULATION VOLTAGE  □ C D.1 mA  □ RATED INSULATION VOLTAGE  □ C D.5 kV  □ SHORT—CIRCUIT PROTECTED  □ YES  □ MAX. VOLTAGE DROP  □ C 1.8 V  □ REVERSE POLARITY PROTECTION  □ INCORPORATED  □ INCORPORATED  □ UTPUT FUNCTION  □ NORMALLY OPEN, 3—WIRE, NPN  □ MAX. SWITCHING FREQUENCY  □ C D.25 kHz  □ HOUSING MATERIAL  □ METAL, GD—ZN, BLACK  □ ACTIVE FACE MATERIAL  □ PLASTIC, LCP—GF30, YELLOW  □ CABLE  □ Ø 4.0, LifY—11Y, TPU  □ SHOCK  □ JO 9, 11 ms  □ VIBRATION  □ DEGREE OF PROTECTION  □ DEGREE OF PROTECTION  □ P67  □ OPERATING VOLTAGE DISPLAY  □ LED: GREEN	MIN. REPEAT ACCURACY	≤ 2%							
RESIDUAL 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 PROTECTED YES  MAX. VOLTAGE DROP ≤1.8 V  REVERSE POLARITY PROTECTION INCORPORATED  WIRE—BREAK PROTECTION INCORPORATED  OUTPUT FUNCTION NORMALLY OPEN, 3—WIRE, NPN  MAX. SWITCHING FREQUENCY ≤0.25 kHz  HOUSING MATERIAL METAL, GD—ZN, BLACK  ACTIVE FACE MATERIAL PLASTIC, LCP—GF30, YELLOW  CABLE Ø4.0, LifY—11Y, TPU  SHOCK 30 g, 11 ms  VIBRATION 55 Hz, 1 mm AMPLITUDE (IN ALL 3 PLANES)  DEGREE OF PROTECTION IP67  OPERATING VOLTAGE DISPLAY LED: GREEN	OPERATING TEMPERATURE	-30°C to +85°C (-22°F to +185°F)							
DC RATED OPERATIONAL CURRENT       ≤ 200 mA         NO-LOAD CURRENT       ≤ 15 mA         RESIDUAL CURRENT       ≤ 0.1 mA         RATED INSULATION VOLTAGE       ≤ 0.5 kV         SHORT-CIRCUIT PROTECTED       YES         MAX. VOLTAGE DROP       ≤ 1.8 V         REVERSE POLARITY PROTECTION       INCORPORATED         WIRE-BREAK PROTECTION       INCORPORATED         OUTPUT FUNCTION       NORMALLY OPEN, 3-WIRE, NPN         MAX. SWITCHING FREQUENCY       ≤ 0.25 kHz         HOUSING MATERIAL       METAL, GD-ZN, BLACK         ACTIVE FACE MATERIAL       PLASTIC, LCP-GF30, YELLOW         CABLE       Ø4.0, LifY-11Y, TPU         SHOCK       30 g, 11 ms         VIBRATION       55 Hz, 1 mm AMPLITUDE (IN ALL 3 PLANES)         DEGREE OF PROTECTION       IP67         OPERATING VOLTAGE DISPLAY       LED: GREEN	RATED OPERATIONAL VOLTAGE	10-30 VDC							
NO-LOAD CURRENT ≤ 15 mA  RESIDUAL CURRENT ≤ 0.1 mA  RATED INSULATION VOLTAGE ≤ 0.5 kV  SHORT-CIRCUIT PROTECTED YES  MAX. VOLTAGE DROP ≤ 1.8 V  REVERSE POLARITY PROTECTION INCORPORATED  WIRE-BREAK PROTECTION INCORPORATED  OUTPUT FUNCTION NORMALLY OPEN, 3-WIRE, NPN  MAX. SWITCHING FREQUENCY ≤ 0.25 kHz  HOUSING MATERIAL METAL, GD-ZN, BLACK  ACTIVE FACE MATERIAL PLASTIC, LCP-GF30, YELLOW  CABLE Ø4.0, LifY-11Y, TPU  SHOCK 30 g, 11 ms  VIBRATION 55 Hz, 1 mm AMPLITUDE (IN ALL 3 PLANES)  DEGREE OF PROTECTION IP67  OPERATING VOLTAGE DISPLAY LED: GREEN	RESIDUAL RIPPLE	≤10%							
RESIDUAL CURRENT ≤ 0.1 mA  RATED INSULATION VOLTAGE ≤ 0.5 kV  SHORT-CIRCUIT PROTECTED YES  MAX. VOLTAGE DROP ≤ 1.8 V  REVERSE POLARITY PROTECTION INCORPORATED  WIRE-BREAK PROTECTION INCORPORATED  OUTPUT FUNCTION NORMALLY OPEN, 3-WIRE, NPN  MAX. SWITCHING FREQUENCY ≤ 0.25 kHz  HOUSING MATERIAL METAL, GD-ZN, BLACK  ACTIVE FACE MATERIAL PLASTIC, LCP-GF30, YELLOW  CABLE Ø4.0, LifY-11Y, TPU  SHOCK 30 g, 11 ms  VIBRATION 55 Hz, 1 mm AMPLITUDE (IN ALL 3 PLANES)  DEGREE OF PROTECTION IP67  OPERATING VOLTAGE DISPLAY LED: GREEN	DC RATED OPERATIONAL CURRENT	≤ 200 mA							
RATED INSULATION VOLTAGE ≤ 0.5 kV  SHORT-CIRCUIT PROTECTED YES  MAX. VOLTAGE DROP ≤ 1.8 V  REVERSE POLARITY PROTECTION INCORPORATED  WIRE-BREAK PROTECTION INCORPORATED  OUTPUT FUNCTION NORMALLY OPEN, 3—WIRE, NPN  MAX. SWITCHING FREQUENCY ≤ 0.25 kHz  HOUSING MATERIAL METAL, GD—ZN, BLACK  ACTIVE FACE MATERIAL PLASTIC, LCP—GF30, YELLOW  CABLE Ø4.0, LifY—11Y, TPU  SHOCK 30 g, 11 ms  VIBRATION 55 Hz, 1 mm AMPLITUDE  (IN ALL 3 PLANES)  DEGREE OF PROTECTION IP67  OPERATING VOLTAGE DISPLAY LED: GREEN	NO-LOAD CURRENT	≤ 15 mA							
SHORT—CIRCUIT PROTECTED  MAX. VOLTAGE DROP  EVERSE POLARITY PROTECTION  WIRE—BREAK PROTECTION  OUTPUT FUNCTION  MAX. SWITCHING FREQUENCY  HOUSING MATERIAL  ACTIVE FACE MATERIAL  CABLE  WHATERIAL  SHOCK  VIBRATION  DEGREE OF PROTECTION  MAX. SUITCHING FREQUENCY  SHOCK  WATERIAL  WETAL, GD—ZN, BLACK  PLASTIC, LCP—GF30, YELLOW  WHATERIAL  SHOCK  WHATERIAL  WETAL, 1 mm AMPLITUDE  (IN ALL 3 PLANES)  DEGREE OF PROTECTION  DEGREE OF PROTECTION  P67  OPERATING VOLTAGE DISPLAY  LED: GREEN	RESIDUAL CURRENT	≤ 0.1 mA							
MAX. VOLTAGE DROP       ≤ 1.8 V         REVERSE POLARITY PROTECTION       INCORPORATED         WIRE-BREAK PROTECTION       INCORPORATED         OUTPUT FUNCTION       NORMALLY OPEN, 3-WIRE, NPN         MAX. SWITCHING FREQUENCY       ≤ 0.25 kHz         HOUSING MATERIAL       METAL, GD-ZN, BLACK         ACTIVE FACE MATERIAL       PLASTIC, LCP-GF30, YELLOW         CABLE       Ø4.0, LifY-11Y, TPU         SHOCK       30 g, 11 ms         VIBRATION       55 Hz, 1 mm AMPLITUDE (IN ALL 3 PLANES)         DEGREE OF PROTECTION       IP67         OPERATING VOLTAGE DISPLAY       LED: GREEN	RATED INSULATION VOLTAGE	≤ 0.5 kV							
REVERSE POLARITY PROTECTION INCORPORATED  WIRE—BREAK PROTECTION INCORPORATED  OUTPUT FUNCTION NORMALLY OPEN, 3—WIRE, NPN  MAX. SWITCHING FREQUENCY ≤ 0.25 kHz  HOUSING MATERIAL METAL, GD—ZN, BLACK  ACTIVE FACE MATERIAL PLASTIC, LCP—GF30, YELLOW  CABLE Ø4.0, LifY—11Y, TPU  SHOCK 30 g, 11 ms  VIBRATION 55 Hz, 1 mm AMPLITUDE  (IN ALL 3 PLANES)  DEGREE OF PROTECTION IP67  OPERATING VOLTAGE DISPLAY LED: GREEN	SHORT-CIRCUIT PROTECTED	YES							
WIRE—BREAK PROTECTION INCORPORATED  OUTPUT FUNCTION NORMALLY OPEN, 3—WIRE, NPN  MAX. SWITCHING FREQUENCY ≤ 0.25 kHz  HOUSING MATERIAL METAL, GD—ZN, BLACK  ACTIVE FACE MATERIAL PLASTIC, LCP—GF30, YELLOW  CABLE Ø4.0, LifY—11Y, TPU  SHOCK 30 g, 11 ms  VIBRATION 55 Hz, 1 mm AMPLITUDE (IN ALL 3 PLANES)  DEGREE OF PROTECTION IP67  OPERATING VOLTAGE DISPLAY LED: GREEN	MAX. VOLTAGE DROP	≤ 1.8 V							
OUTPUT FUNCTION  MAX. SWITCHING FREQUENCY  HOUSING MATERIAL  ACTIVE FACE MATERIAL  CABLE  SHOCK  VIBRATION  DEGREE OF PROTECTION  OPERATING VOLTAGE DISPLAY  MORMALLY OPEN, 3—WIRE, NPN   MORMALLY OPEN, 3—WIRE, NPN  METAL, GD—ZN, BLACK  META	REVERSE POLARITY PROTECTION	INCORPORATED							
MAX. SWITCHING FREQUENCY ≤ 0.25 kHz  HOUSING MATERIAL METAL, GD−ZN, BLACK  ACTIVE FACE MATERIAL PLASTIC, LCP−GF30, YELLOW  CABLE Ø4.0, LifY−11Y, TPU  SHOCK 30 g, 11 ms  VIBRATION 55 Hz, 1 mm AMPLITUDE (IN ALL 3 PLANES)  DEGREE OF PROTECTION IP67  OPERATING VOLTAGE DISPLAY LED: GREEN	WIRE-BREAK PROTECTION	INCORPORATED							
HOUSING MATERIAL  ACTIVE FACE MATERIAL  CABLE  WETAL, GD-ZN, BLACK  PLASTIC, LCP-GF30, YELLOW  WETAL, GD-ZN, BLACK  PLASTIC, LCP-GF30, YELLOW  WETAL, GD-ZN, BLACK  PLASTIC, LCP-GF30, YELLOW  WETAL, GD-ZN, BLACK  WETAL,	OUTPUT FUNCTION	NORMALLY OPEN, 3-WIRE, NPN							
ACTIVE FACE MATERIAL PLASTIC, LCP-GF30, YELLOW  CABLE Ø4.0, LifY-11Y, TPU  SHOCK 30 g, 11 ms  VIBRATION 55 Hz, 1 mm AMPLITUDE (IN ALL 3 PLANES)  DEGREE OF PROTECTION IP67  OPERATING VOLTAGE DISPLAY LED: GREEN	MAX. SWITCHING FREQUENCY	≤ 0.25 kHz							
CABLE Ø4.0, LifY-11Y, TPU  SHOCK 30 g, 11 ms  VIBRATION 55 Hz, 1 mm AMPLITUDE (IN ALL 3 PLANES)  DEGREE OF PROTECTION IP67  OPERATING VOLTAGE DISPLAY LED: GREEN	HOUSING MATERIAL	METAL, GD-ZN, BLACK							
SHOCK 30 g, 11 ms  VIBRATION 55 Hz, 1 mm AMPLITUDE (IN ALL 3 PLANES)  DEGREE OF PROTECTION IP67  OPERATING VOLTAGE DISPLAY LED: GREEN	ACTIVE FACE MATERIAL	PLASTIC, LCP-GF30, YELLOW							
VIBRATION  55 Hz, 1 mm AMPLITUDE (IN ALL 3 PLANES)  DEGREE OF PROTECTION  OPERATING VOLTAGE DISPLAY  LED: GREEN	CABLE	ø4.0, LifY-11Y, TPU							
DEGREE OF PROTECTION IP67  OPERATING VOLTAGE DISPLAY LED: GREEN	SHOCK	3.							
OPERATING VOLTAGE DISPLAY LED: GREEN	VIBRATION	55 Hz, 1 mm AMPLITUDE (IN ALL 3 PLANES)							
	DEGREE OF PROTECTION								
SWITCHING STATUS INDICATION LED: YELLOW	OPERATING VOLTAGE DISPLAY	LED: GREEN							
	SWITCHING STATUS INDICATION	LED: YELLOW							

## SOURCE DRAWING - FOR REFERENCE ONLY

NOTES:					RELATED DOCUMENTS  1. 2. 3. 4.	DOCUMENT WITHOUT WRITTEN PERMISSION IS PROHIBITED.				3000 CAMPUS DRIVE MINNEAPOLIS, MN 55441 1-800-544-7769 (763) 553-7300 (763) 553-0708 fax turck.com			441
"/CS14439" DESIGNATES COILED CABLE ON SENSOR STARTING AT 100mm FROM SENSOR HOUSING. WRAP LABEL LOCATED 20mm (REF.) FROM SENSOR HOUSING.      NUMBER OF COILS IS REFERENCE ONLY.					MATERIAL SEE SPECS	ALL DIMENSIONS DISPLAYED ON THIS	DRFT APVD		DATE 04/08/14 SCALE 1=1.3	DESCRIPTION BI 5U-Q08-AN6X2-0	.5M-RS 4	T/CS14	-439
2. NOMBER OF GOLD TO REFERENCE ONET.					FINISH	DRAWING ARE FOR REFERENCE ONLY  CONTACT TURCK FOR MORE	UNIT OF MEASUREMENT  INCH [ MILLIMETER ]			IDENTIFICATION NO. \$1608911-005		RE /	REV A
A REV			1/30/14 DATE	ECO NO.	SEE SPECS	INFORMATION	DC	NOT SCALE	THIS DRAWING	FILE: \$1608911-005		SHEET 1 0	OF 1