



RATED OPERATING DISTANCE(Sn)  MOUNTING MODE  DIFFERENTIAL TRAVEL (HYSTERESIS)  MIN. REPEAT ACCURACY  ≤ 2%  TEMPERATURE DRIFT  ○ ± ± 10%  OPERATING TEMPERATURE  PARTED OPERATIONAL VOLTAGE  RIPPLE  RATED OPERATIONAL CURRENT  RATED OPERATIONAL CURRENT  NO—LOAD CURRENT  RESIDUAL CURRENT  RATED INSULATION VOLTAGE  SHORT—CIRCUIT PROTECTED  WIRE BREAKAGE PROTECTION  MAX. VOLTAGE DROP  WIRE BREAKAGE PROTECTION  OUTPUT FUNCTION  MAX. SWITCHING FREQUENCY  HOUSING MATERIAL  PLASTIC, PA12—GF20  CONNECTION  WIBRATION  SHOCK  30 g, 11 ms  PROTECTION UNDOWNED  PROTECTION UNDOWNED  PROTECTION UNDOWNED  SHOCK  30 g, 11 ms  PROTECTION DEGREE  OPERATING VOLTAGE DISPLAY  LED: GREEN	SPECIFICATIONS									
DIFFERENTIAL TRAVEL (HYSTERESIS)  MIN. REPEAT ACCURACY  ≤ 2%  TEMPERATURE DRIFT  ○PERATING TEMPERATURE  -25°C to +70°C (-13°F to +158°F)  RATED OPERATIONAL VOLTAGE  RATED OPERATIONAL CURRENT  RATED OPERATIONAL CURRENT  NO-LOAD CURRENT  RESIDUAL CURRENT  RATED INSULATION VOLTAGE  SHORT-CIRCUIT PROTECTED  WAX. VOLTAGE DROP  WIRE BREAKAGE PROTECTION  REVERSE POLARITY PROTECTION  MAX. SWITCHING FREQUENCY  HOUSING MATERIAL  PLASTIC, PA12-GF20  CONNECTION  M12x1  VIBRATION  SHOCK  30 g, 11 ms  PROTECTION DEGREE  OPERATING VOLTAGE DISPLAY  LED: GREEN	RATED OPERATING DISTANCE(Sn)	5mm = .197" (NOMINAL)								
MIN. REPEAT ACCURACY  TEMPERATURE DRIFT  OPERATING TEMPERATURE  -25°C to +70°C (-13°F to +158°F)  RATED OPERATIONAL VOLTAGE  RIPPLE  S10%  RATED OPERATIONAL CURRENT  NO-LOAD CURRENT  RESIDUAL CURRENT  S15 mA  RESIDUAL CURRENT  S40.1 mA  RATED INSULATION VOLTAGE  SHORT-CIRCUIT PROTECTED  WIRE BREAKAGE PROTECTION  REVERSE POLARITY PROTECTION  MAX. SWITCHING FREQUENCY  HOUSING MATERIAL  ACTIVE FACE MATERIAL  PLASTIC, PA12-GF20  CONNECTION  VIBRATION  SHOCK  J0 g, 11 ms  PROTECTION DEGREE  OPERATING VOLTAGE DISPLAY  LED: GREEN	MOUNTING MODE	FLUSH								
TEMPERATURE DRIFT  OPERATING TEMPERATURE  RATED OPERATIONAL VOLTAGE  RIPPLE  ≤10%  RATED OPERATIONAL CURRENT  NO-LOAD CURRENT  RESIDUAL CURRENT  RATED INSULATION VOLTAGE  SHORT—CIRCUIT PROTECTED  WIRE BREAKAGE PROTECTION  REVERSE POLARITY PROTECTION  MAX. SWITCHING FREQUENCY  HOUSING MATERIAL  CONNECTION  M12x1  VIBRATION  FROTECTION  VESTOR 10 kHz  PLASTIC, PA12—GF20  CONNECTION  VIBRATION  SHOCK  JO 98 11 ms  PROTECTION DEGREE  OPERATING VOLTAGE DISPLAY  LED: GREEN	DIFFERENTIAL TRAVEL (HYSTERESIS)	3-15%								
OPERATING TEMPERATURE  -25°C to +70°C (−13°F to +158°F)  RATED OPERATIONAL VOLTAGE  RIPPLE  ≤10%  RATED OPERATIONAL CURRENT  S 200 mA  NO-LOAD CURRENT  RESIDUAL CURRENT  S 15 mA  RATED INSULATION VOLTAGE  SHORT-CIRCUIT PROTECTED  WIRE BREAKAGE PROTECTION  REVERSE POLARITY PROTECTION  OUTPUT FUNCTION  MAX. SWITCHING FREQUENCY  HOUSING MATERIAL  PLASTIC, PA12-GF20  CONNECTION  VIBRATION  S 10,8 M12 mm AMPLITUDE (IN ALL 3 PLANES)  SHOCK  PROTECTION DEGREE  OPERATING VOLTAGE DISPLAY  LED: GREEN	MIN. REPEAT ACCURACY	≤ 2%								
RATED OPERATIONAL VOLTAGE  RIPPLE  \$10%  RATED OPERATIONAL CURRENT  \$200 mA  NO—LOAD CURRENT  \$15 mA  RESIDUAL CURRENT  \$40.1 mA  RATED INSULATION VOLTAGE  \$40.5 kV  SHORT—CIRCUIT PROTECTED  \$40.5 kV  WIRE BREAKAGE PROTECTION  REVERSE POLARITY PROTECTION  OUTPUT FUNCTION  MAX. SWITCHING FREQUENCY  HOUSING MATERIAL  \$40.1 mA  PLASTIC, PA12—GF20  CONNECTION  M12x1  VIBRATION  \$50 Hz, 1 mm AMPLITUDE (IN ALL 3 PLANES)  SHOCK  \$60.2 ma  \$60.3 mA	TEMPERATURE DRIFT	≤ ± 10%								
RIPPLE ≤10%  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, CYCLIC  MAX. VOLTAGE DROP ≤ 1.8 V  WIRE BREAKAGE PROTECTION INCORPORATED  REVERSE POLARITY PROTECTION INCORPORATED  OUTPUT FUNCTION 3-WIRE, NORMALLY OPEN, NPN  MAX. SWITCHING FREQUENCY ≤ 1.0 kHz  HOUSING MATERIAL PLASTIC, PA12-GF20  ACTIVE FACE MATERIAL PLASTIC, PA12-GF20  CONNECTION M12×1  VIBRATION 55 Hz, 1 mm AMPLITUDE (IN ALL 3 PLANES)  SHOCK 30 g, 11 ms  PROTECTION DEGREE IP68  OPERATING VOLTAGE DISPLAY LED: GREEN	OPERATING TEMPERATURE	-25°C to +70°C (-13°F to +158°F)								
RATED OPERATIONAL CURRENT  NO—LOAD CURRENT  RESIDUAL CURRENT  RATED INSULATION VOLTAGE  SHORT—CIRCUIT PROTECTED  MAX. VOLTAGE DROP  WIRE BREAKAGE PROTECTION  REVERSE POLARITY PROTECTION  MAX. SWITCHING FREQUENCY  HOUSING MATERIAL  CONNECTION  M12×1  VIBRATION  PROTECTION  SHOCK  PROTECTION DEGREE  OPERATING VOLTAGE DISPLAY  SHORM  SHOR	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, CYCLIC         MAX. VOLTAGE DROP       ≤ 1.8 V         WIRE BREAKAGE PROTECTION       INCORPORATED         REVERSE POLARITY PROTECTION       INCORPORATED         OUTPUT FUNCTION       3-WIRE, NORMALLY OPEN, NPN         MAX. SWITCHING FREQUENCY       ≤ 1.0 kHz         HOUSING MATERIAL       PLASTIC, PA12-GF20         ACTIVE FACE MATERIAL       PLASTIC, PA12-GF20         CONNECTION       M12x1         VIBRATION       55 Hz, 1 mm AMPLITUDE (IN ALL 3 PLANES)         SHOCK       30 g, 11 ms         PROTECTION DEGREE       IP68         OPERATING VOLTAGE DISPLAY       LED: GREEN	RIPPLE	≤10%								
RESIDUAL CURRENT ≤ 0.1 mA  RATED INSULATION VOLTAGE ≤ 0.5 kV  SHORT—CIRCUIT PROTECTED YES, CYCLIC  MAX. VOLTAGE DROP ≤ 1.8 V  WIRE BREAKAGE PROTECTION INCORPORATED  REVERSE POLARITY PROTECTION INCORPORATED  OUTPUT FUNCTION 3—WIRE, NORMALLY OPEN, NPN  MAX. SWITCHING FREQUENCY ≤ 1.0 kHz  HOUSING MATERIAL PLASTIC, PA12—GF20  ACTIVE FACE MATERIAL PLASTIC, PA12—GF20  CONNECTION M12×1  VIBRATION 55 Hz, 1 mm AMPLITUDE (IN ALL 3 PLANES)  SHOCK 30 g, 11 ms  PROTECTION DEGREE IP68  OPERATING VOLTAGE DISPLAY LED: GREEN	RATED OPERATIONAL CURRENT	≤ 200 mA								
RATED INSULATION VOLTAGE  SHORT—CIRCUIT PROTECTED  YES, CYCLIC  MAX. VOLTAGE DROP  WIRE BREAKAGE PROTECTION  REVERSE POLARITY PROTECTION  OUTPUT FUNCTION  MAX. SWITCHING FREQUENCY  HOUSING MATERIAL  PLASTIC, PA12—GF20  CONNECTION  M12×1  VIBRATION  SHOCK  PROTECTION DEGREE  OPERATING VOLTAGE DISPLAY  YES, CYCLIC  NAX. VOLTAGE DISPLAY  INCORPORATED  INC	NO-LOAD CURRENT	≤ 15 mA								
SHORT-CIRCUIT PROTECTED  MAX. VOLTAGE DROP  ≤ 1.8 V  WIRE BREAKAGE PROTECTION  REVERSE POLARITY PROTECTION  OUTPUT FUNCTION  MAX. SWITCHING FREQUENCY  HOUSING MATERIAL  ACTIVE FACE MATERIAL  PLASTIC, PA12-GF20  CONNECTION  M12x1  VIBRATION  55 Hz, 1 mm AMPLITUDE (IN ALL 3 PLANES)  SHOCK  PROTECTION DEGREE  OPERATING VOLTAGE DISPLAY  LED: GREEN	RESIDUAL CURRENT	≤0.1 mA								
MAX. VOLTAGE DROP       ≤ 1.8 V         WIRE BREAKAGE PROTECTION       INCORPORATED         REVERSE POLARITY PROTECTION       INCORPORATED         OUTPUT FUNCTION       3-WIRE, NORMALLY OPEN, NPN         MAX. SWITCHING FREQUENCY       ≤ 1.0 kHz         HOUSING MATERIAL       PLASTIC, PA12-GF20         ACTIVE FACE MATERIAL       PLASTIC, PA12-GF20         CONNECTION       M12×1         VIBRATION       55 Hz, 1 mm AMPLITUDE (IN ALL 3 PLANES)         SHOCK       30 g, 11 ms         PROTECTION DEGREE       IP68         OPERATING VOLTAGE DISPLAY       LED: GREEN	RATED INSULATION VOLTAGE	≤0.5 kV								
WIRE BREAKAGE PROTECTION INCORPORATED  REVERSE POLARITY PROTECTION INCORPORATED  OUTPUT FUNCTION 3-WIRE, NORMALLY OPEN, NPN  MAX. SWITCHING FREQUENCY ≤ 1.0 kHz  HOUSING MATERIAL PLASTIC, PA12-GF20  ACTIVE FACE MATERIAL PLASTIC, PA12-GF20  CONNECTION M12×1  VIBRATION 55 Hz, 1 mm AMPLITUDE (IN ALL 3 PLANES)  SHOCK 30 g, 11 ms  PROTECTION DEGREE IP68  OPERATING VOLTAGE DISPLAY LED: GREEN	SHORT-CIRCUIT PROTECTED	YES, CYCLIC								
REVERSE POLARITY PROTECTION INCORPORATED  OUTPUT FUNCTION 3-WIRE, NORMALLY OPEN, NPN  MAX. SWITCHING FREQUENCY ≤ 1.0 kHz  HOUSING MATERIAL PLASTIC, PA12-GF20  ACTIVE FACE MATERIAL PLASTIC, PA12-GF20  CONNECTION M12x1  VIBRATION 55 Hz, 1 mm AMPLITUDE (IN ALL 3 PLANES)  SHOCK 30 g, 11 ms  PROTECTION DEGREE IP68  OPERATING VOLTAGE DISPLAY LED: GREEN	MAX. VOLTAGE DROP	≤ 1.8 V								
OUTPUT FUNCTION 3-WIRE, NORMALLY OPEN, NPN  MAX. SWITCHING FREQUENCY ≤ 1.0 kHz  HOUSING MATERIAL PLASTIC, PA12-GF20  ACTIVE FACE MATERIAL PLASTIC, PA12-GF20  CONNECTION M12×1  VIBRATION 55 Hz, 1 mm AMPLITUDE (IN ALL 3 PLANES)  SHOCK 30 g, 11 ms  PROTECTION DEGREE IP68  OPERATING VOLTAGE DISPLAY LED: GREEN	WIRE BREAKAGE PROTECTION	INCORPORATED								
MAX. SWITCHING FREQUENCY       ≤ 1.0 kHz         HOUSING MATERIAL       PLASTIC, PA12-GF20         ACTIVE FACE MATERIAL       PLASTIC, PA12-GF20         CONNECTION       M12x1         VIBRATION       55 Hz, 1 mm AMPLITUDE (IN ALL 3 PLANES)         SHOCK       30 g, 11 ms         PROTECTION DEGREE       IP68         OPERATING VOLTAGE DISPLAY       LED: GREEN	REVERSE POLARITY PROTECTION	INCORPORATED								
HOUSING MATERIAL  PLASTIC, PA12-GF20  ACTIVE FACE MATERIAL  PLASTIC, PA12-GF20  CONNECTION  M12x1  VIBRATION  55 Hz, 1 mm AMPLITUDE (IN ALL 3 PLANES)  SHOCK  30 g, 11 ms  PROTECTION DEGREE  IP68  OPERATING VOLTAGE DISPLAY  LED: GREEN	OUTPUT FUNCTION	3-WIRE, NORMALLY OPEN, NPN								
ACTIVE FACE MATERIAL PLASTIC, PA12-GF20  CONNECTION M12x1  VIBRATION 55 Hz, 1 mm AMPLITUDE (IN ALL 3 PLANES)  SHOCK 30 g, 11 ms  PROTECTION DEGREE IP68  OPERATING VOLTAGE DISPLAY LED: GREEN	MAX. SWITCHING FREQUENCY	≤1.0 kHz								
CONNECTION M12x1  VIBRATION 55 Hz, 1 mm AMPLITUDE (IN ALL 3 PLANES)  SHOCK 30 g, 11 ms  PROTECTION DEGREE IP68  OPERATING VOLTAGE DISPLAY LED: GREEN	HOUSING MATERIAL	PLASTIC, PA12-GF20								
VIBRATION 55 Hz, 1 mm AMPLITUDE (IN ALL 3 PLANES)  SHOCK 30 g, 11 ms  PROTECTION DEGREE IP68  OPERATING VOLTAGE DISPLAY LED: GREEN	ACTIVE FACE MATERIAL	PLASTIC, PA12-GF20								
SHOCK 30 g, 11 ms  PROTECTION DEGREE IP68  OPERATING VOLTAGE DISPLAY LED: GREEN	CONNECTION	M12x1								
PROTECTION DEGREE IP68  OPERATING VOLTAGE DISPLAY LED: GREEN	VIBRATION	55 Hz, 1 mm AMPLITUDE (IN ALL 3 PLANES)								
OPERATING VOLTAGE DISPLAY LED: GREEN	SHOCK	30 g, 11 ms								
	PROTECTION DEGREE	IP68								
CHITOLINIO CTATLIC INDICATION	OPERATING VOLTAGE DISPLAY	LED: GREEN								
SWITCHING STATUS INDICATION LED: YELLOW	SWITCHING STATUS INDICATION	LED: YELLOW								

## SOURCE DRAWING - FOR REFERENCE ONLY

	CABLE LENGTH	TOLERANCE				RELATED DOCUMENTS	3RD ANGLE PROJECTION	THIS DRAWING IS			3000 CAMPUS	
	ALL LENGTHS	+ 4% (OR 50mm) OF LENGTH - 0% (OR 0mm) OF LENGTH WHICHEVER IS GREATER				1. 2. 3.		PROPERTY OF TURCK INC. USE OF THIS DOCUMENT WITHOUT WRITTEN PERMISSION IS		MINNEAPOLIS, MN 55441 1-800-544-7769 (763) 553-7300 (763) 553-7300 (763) 553-0708 fax		
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	0-7mm	±0.5mm				MATERIAL		DRFT RDS	DATE 10/13/06	DESCRIPTION		
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