



OPERATING VOLTAGE LINE FREQUENCY 40-60 Hz HYSTERESIS 3-15% (5% TYPICAL) VOLTAGE DROP ACROSS CONDUCTING SENSOR OUTPUT FUNCTION -AZ SHORT-CIRCUIT PROTECTED CONTINUOUS LOAD CURRENT RESIDUAL CURRENT MINIMUM LOAD CURRENT SHORMALLY OPEN 2-WIRE AC SELF-CONTAINED NO CONTINUOUS LOAD CURRENT MINIMUM LOAD CURRENT SHORMALLY OPEN 2-WIRE AC SELF-CONTAINED NO CONTINUOUS LOAD CURRENT SHORMA MINIMUM LOAD CURRENT SHORMA INCORPORATED POWER-ON EFFECT PROTECTION PROTECTION AGAINST TRANSIENTS EN 60947-5-2 OPERATING TEMPERATURE -25°C to +70°C (-13°F to +158°F) ENCLOSURE MEETS NEMA 1, 3, 4, 6, 13 AND IEC IP67 SHOCK 30 g, 11 ms VIBRATION LED FUNCTION RED: OUTPUT ENERGIZED	SPECIFICATIONS	SPECIFICATIONS		
HYSTERESIS 3-15% (5% TYPICAL) VOLTAGE DROP ACROSS CONDUCTING SENSOR ≤ 11.0 V at 200 mA OUTPUT FUNCTION -AZ SHORT-CIRCUIT PROTECTED CONTINUOUS LOAD CURRENT ESIDUAL CURRENT MINIMUM LOAD CURRENT SHORT SHO	OPERATING VOLTAGE	20-250 VAC/10-300 VDC		
VOLTAGE DROP ACROSS CONDUCTING SENSOR ≤ 11.0 V at 200 mA OUTPUT FUNCTION −AZ NORMALLY OPEN 2-WIRE AC SELF-CONTAINED SHORT-CIRCUIT PROTECTED NO CONTINUOUS LOAD CURRENT ≤ 100 mA RESIDUAL CURRENT ≤ 1.7 mA MINIMUM LOAD CURRENT ≤ 5.0 mA INRUSH CURRENT ≤ 1.0 A (≤10 ms/5 Hz) TIME DELAY BEFORE AVAILABILITY ≤ 8 ms POWER-ON EFFECT PROTECTION INCORPORATED PROTECTION AGAINST TRANSIENTS EN 60947-5-2 OPERATING TEMPERATURE -25°C to +70°C (-13°F to +158°F) ENCLOSURE MEETS NEMA 1, 3, 4, 6, 13 AND IEC IP67 SHOCK 30 g, 11 ms VIBRATION 55 Hz, 1 mm AMPLITUDE (IN ALL 3 PLANES)	LINE FREQUENCY	40-60 Hz		
OUTPUT FUNCTION —AZ SHORT—CIRCUIT PROTECTED NO CONTINUOUS LOAD CURRENT ESIDUAL CURRENT MINIMUM LOAD CURRENT SHORT—CIRCUIT SHORT—CIRCUIT PROTECTED NO CONTINUOUS LOAD CURRENT SHORT—CIRCUIT SHORT—CIRCUIT SHORT—CIRCUIT SHORT—CIRCUIT SHORT—CONTAINED NO SHORT—CONTAINED NO SHORT—CONTAINED SHORT—CONTAINED SHORT—CONTAINED NO SHORT—CONTAINED SHORT—CONTAINED NO SHORT—CONTAINED SHORT—CONTAINED NO SHORT—CONTAINED SHORT—CONTAIN	HYSTERESIS	3-15% (5% TYPICAL)		
SHORT—CIRCUIT PROTECTED CONTINUOUS LOAD CURRENT ESIDUAL CURRENT MINIMUM LOAD CURRENT SHORT—ON EFFECT PROTECTION PROTECTION AGAINST TRANSIENTS ENCLOSURE MEETS NEMA 1, 3, 4, 6, 13 AND IEC IP67 SHOCK VIBRATION SHORT—CONTAINED NO 2 - WIRE AC SELF—CONTAINED NO 2 1.0 mA ≤ 1.7 mA ≤ 1.7 mA ≤ 1.0 ms/5 Hz) ≤ 8 ms INCORPORATED EN 60947—5—2 -25°C to +70°C (−13°F to +158°F) ENCLOSURE MEETS NEMA 1, 3, 4, 6, 13 AND IEC IP67 SHOCK 30 g, 11 ms VIBRATION	VOLTAGE DROP ACROSS CONDUCTING SENSOR	≤ 11.0 V at 200 mA		
CONTINUOUS LOAD CURRENT RESIDUAL CURRENT ≤1.7 mA MINIMUM LOAD CURRENT INRUSH CURRENT ≤1.0 A (≤10 ms/5 Hz) TIME DELAY BEFORE AVAILABILITY POWER—ON EFFECT PROTECTION PROTECTION AGAINST TRANSIENTS EN 60947—5—2 OPERATING TEMPERATURE -25°C to +70°C (−13°F to +158°F) ENCLOSURE MEETS NEMA 1, 3, 4, 6, 13 AND IEC IP67 SHOCK 30 g, 11 ms VIBRATION VIBRATION	OUTPUT FUNCTION -AZ	NORMALLY OPEN 2-WIRE AC SELF-CONTAINED		
RESIDUAL CURRENT ≤ 1.7 mA MINIMUM LOAD CURRENT ≥ 5.0 mA INRUSH CURRENT ≤ 1.0 A (≤10 ms/5 Hz) TIME DELAY BEFORE AVAILABILITY ≤8 ms POWER—ON EFFECT PROTECTION INCORPORATED PROTECTION AGAINST TRANSIENTS EN 60947—5—2 OPERATING TEMPERATURE —25°C to +70°C (−13°F to +158°F) ENCLOSURE MEETS NEMA 1, 3, 4, 6, 13 AND IEC IP67 SHOCK 30 g, 11 ms VIBRATION (IN ALL 3 PLANES)	SHORT-CIRCUIT PROTECTED	NO		
MINIMUM LOAD CURRENT ≥ 5.0 mA INRUSH CURRENT ≤ 1.0 A (≤10 ms/5 Hz) TIME DELAY BEFORE AVAILABILITY POWER—ON EFFECT PROTECTION PROTECTION AGAINST TRANSIENTS EN 60947-5-2 OPERATING TEMPERATURE -25°C to +70°C (-13°F to +158°F) ENCLOSURE MEETS NEMA 1, 3, 4, 6, 13 AND IEC IP67 SHOCK 30 g, 11 ms VIBRATION VIBRATION	CONTINUOUS LOAD CURRENT	≤100 mA		
INRUSH CURRENT ≤1.0 A (≤10 ms/5 Hz) TIME DELAY BEFORE AVAILABILITY ≥8 ms POWER—ON EFFECT PROTECTION INCORPORATED PROTECTION AGAINST TRANSIENTS EN 60947—5—2 OPERATING TEMPERATURE -25°C to +70°C (−13°F to +158°F) ENCLOSURE MEETS NEMA 1, 3, 4, 6, 13 AND IEC IP67 SHOCK 30 g, 11 ms VIBRATION VIBRATION	RESIDUAL CURRENT	≤1.7 mA		
TIME DELAY BEFORE AVAILABILITY POWER—ON EFFECT PROTECTION PROTECTION AGAINST TRANSIENTS EN 60947-5-2 OPERATING TEMPERATURE -25°C to +70°C (-13°F to +158°F) ENCLOSURE MEETS NEMA 1, 3, 4, 6, 13 AND IEC IP67 SHOCK 30 g, 11 ms VIBRATION 55 Hz, 1 mm AMPLITUDE (IN ALL 3 PLANES)	MINIMUM LOAD CURRENT	≥5.0 mA		
POWER—ON EFFECT PROTECTION INCORPORATED PROTECTION AGAINST TRANSIENTS EN 60947—5—2 OPERATING TEMPERATURE —25°C to +70°C (-13°F to +158°F) ENCLOSURE MEETS NEMA 1, 3, 4, 6, 13 AND IEC IP67 SHOCK 30 g, 11 ms VIBRATION 55 Hz, 1 mm AMPLITUDE (IN ALL 3 PLANES)	INRUSH CURRENT	≤1.0 A (≤10 ms/5 Hz)		
PROTECTION AGAINST TRANSIENTS EN 60947-5-2 OPERATING TEMPERATURE -25°C to +70°C (-13°F to +158°F) ENCLOSURE MEETS NEMA 1, 3, 4, 6, 13 AND IEC IP67 SHOCK 30 g, 11 ms VIBRATION 55 Hz, 1 mm AMPLITUDE (IN ALL 3 PLANES)	TIME DELAY BEFORE AVAILABILITY	≤8 ms		
OPERATING TEMPERATURE -25°C to +70°C (-13°F to +158°F) ENCLOSURE MEETS NEMA 1, 3, 4, 6, 13 AND IEC IP67 SHOCK 30 g, 11 ms VIBRATION 55 Hz, 1 mm AMPLITUDE (IN ALL 3 PLANES)	POWER-ON EFFECT PROTECTION	INCORPORATED		
ENCLOSURE MEETS NEMA 1, 3, 4, 6, 13 AND IEC IP67 SHOCK 30 g, 11 ms VIBRATION (IN ALL 3 PLANES)	PROTECTION AGAINST TRANSIENTS	EN 60947-5-2		
SHOCK 30 g, 11 ms VIBRATION 55 Hz, 1 mm AMPLITUDE (IN ALL 3 PLANES)	OPERATING TEMPERATURE	-25°C to +70°C (-13°F to +158°F)		
VIBRATION 55 Hz, 1 mm AMPLITUDE (IN ALL 3 PLANES)	ENCLOSURE	MEETS NEMA 1, 3, 4, 6, 13 AND IEC IP67		
(IN ALL 3 PLANES)	SHOCK	30 g, 11 ms		
LED FUNCTION RED: OUTPUT ENERGIZED	VIBRATION	55 Hz, 1 mm AMPLITUDE (IN ALL 3 PLANES)		
	LED FUNCTION	RED: OUTPUT ENERGIZED		
RATED OPERATING DISTANCE 2 mm = .079"	RATED OPERATING DISTANCE	2 mm = .079"		
SWITCHING FREQUENCY 20 Hz	SWITCHING FREQUENCY	20 Hz		
REPEATABILITY ≤2% of RATED OPERATING DISTANCE	REPEATABILITY	≤2% of RATED OPERATING DISTANCE		
EMBEDDABLE (SHIELDED) YES	EMBEDDABLE (SHIELDED)	YES		

NOTES:

- 1. "/S34" DESIGNATES WELD FIELD IMMUNITY. SENSOR IS SUITABLE FOR USE ON RESISTANCE WELDING MACHINES.
- 2. MATERIALS:

PTFE-COATED BRASS BARREL. CHROME-PLATED BRASS CONNECTOR. PTFE-COATED BRASS LOCKNUTS. SILVER-CHROMATED STEEL LOCKWASHERS. PTFE-COATED PA 12-GF30 PLASTIC SENSING FACE.

_	UPDATE ID NUMBER PER HARMONIZATION PROJECT	СВМ	01/02/18	
REV	DESCRIPTION	BY	DATE	ECO NO.

RELATED DOCUMENTS 1. 2. 3.	3RD ANGLE PROJECTION	THIS DRAWING IS CONFIDENTIAL AND THE PROPERTY OF TURCK INC. USE OF THIS DOCUMENT WITHOUT WRITTEN PERMISSION IS	TU		
4. MATERIAL SEE NOTE 2	ALL DIMENSIONS DISPLAYED ON THIS	DRFT SWC	DATE 4/3/95 SCALE 1=1.0		
FINISH	DRAWING ARE FOR REFERENCE ONLY CONTACT TURCK FOR MORE INFORMATION	UNIT OF MEASUREMENT INCH [MILLIMETER]			

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