



RATED OPERATING DISTANCE MOUNTING MODE MIN. REPEAT ACCURACY ≤ 2% TEMPERATURE DRIFT HYSTERESIS OPERATING TEMPERATURE RATED OPERATIONAL VOLTAGE RIPPLE RATED OPERATIONAL CURRENT (DC) RATED OPERATIONAL CURRENT (DC) RATED OPERATIONAL CURRENT RESIDUAL CURRENT RATED INSULATION VOLTAGE MAX VOLTAGE MAX VOLTAGE TO.5 kV SHORT—CIRCUIT PROTECTED WIRE BREAKAGE PROTECTION NICORPORATED OUTPUT FUNCTION MAX. SWITCHING FREQUENCY HOUSING MATERIAL ACTIVE FACE MATERIAL PLASTIC, PA12—GF20 PUBLISH TEMPERATURE VIBRATION RESISTANCE VIBRATION RESISTANCE VIBRATION RESISTANCE VIBRATION RESISTANCE VIBRATION POTECTION VES VIENATION 100 MINION MATERIAL PLASTIC, PA12—GF20 PLASTIC, PP VIBRATION RESISTANCE VIBRATIO		SPECIF	ICATIONS					
MIN. REPEAT ACCURACY ≤ 2% TEMPERATURE DRIFT ≤ ± 10% HYSTERESIS 3-15% OPERATING TEMPERATURE -25°C to +70°C (-13°F to +158°F) RATED OPERATIONAL VOLTAGE 10-30 VDC RIPPLE ≤10% RATED OPERATIONAL CURRENT (DC) ≤150 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 WIRE BREAKAGE PROTECTION INCORPORATED REVERSE POLARITY PROTECTION INCORPORATED OUTPUT FUNCTION 3-WIRE, NORMALLY OPEN, PNP MAX. SWITCHING FREQUENCY ≤ 3.0 kHz HOUSING MATERIAL METAL, A4 1.4404 (AISI 316L) ACTIVE FACE MATERIAL PLASTIC, PA12-GF20 END CAP MATERIAL PLASTIC, PP CABLE Ø 4.0, LifYY-11Y, TPU SHOCK RESISTANCE 30 g, 11 ms VIBRATION RESISTANCE (in All 3 PLANES)		RATED OPERATING DISTANCE	2.0 mm = .079" (NOMINAL)					
TEMPERATURE DRIFT HYSTERESIS 3-15% OPERATING TEMPERATURE -25°C to +70°C (-13°F to +158°F) RATED OPERATIONAL VOLTAGE RIPPLE S10% RATED OPERATIONAL CURRENT (DC) NO-LOAD CURRENT RESIDUAL CURRENT RATED INSULATION VOLTAGE MAX VOLTAGE DROP WIRE BREAKAGE PROTECTION REVERSE POLARITY PROTECTION NOCORPORATED OUTPUT FUNCTION 3-WIRE, NORMALLY OPEN, PNP MAX. SWITCHING FREQUENCY HOUSING MATERIAL ACTIVE FACE MATERIAL PLASTIC, PA CABLE Ø4.0, LÍTYY-11Y, TPU SHOCK RESISTANCE VIBRATION RESISTANCE VIBRATION RESISTANCE VIBRATION RESISTANCE VIBRATION RESISTANCE		MOUNTING MODE	FLUSH					
HYSTERESIS OPERATING TEMPERATURE -25°C to +70°C (-13°F to +158°F) RATED OPERATIONAL VOLTAGE RIPPLE ≤10% RATED OPERATIONAL CURRENT (DC) NO-LOAD CURRENT ESIDUAL CURRENT RESIDUAL CURRENT SO.1 mA RATED INSULATION VOLTAGE SHORT-CIRCUIT PROTECTED WIRE BREAKAGE PROTECTION REVERSE POLARITY PROTECTION OUTPUT FUNCTION MAX. SWITCHING FREQUENCY HOUSING MATERIAL ACTIVE FACE MATERIAL PLASTIC, PP CABLE VIBRATION RESISTANCE VIBRATION RESISTANCE VIDENTATION S-15°C to +70°C (-13°F to +158°F) TO +158°F) TO +158°F) AN -25°C to +70°C (-13°F to +158°F) TO +158°F) TO +158°F) RATED OPERATION +158°F) SHOCK (-13°F to +158°F) AN -25°C to +70°C (-13°F to +158°F) AN -25°C to +158°F to +158°F to +158°F) AN -25°C to +158°F to +158°F to +158°F to +158°F to +158°F to +158°F t		MIN. REPEAT ACCURACY	≤ 2%					
OPERATING TEMPERATURE -25°C to +70°C (−13°F to +158°F) RATED OPERATIONAL VOLTAGE RIPPLE ≤10% RATED OPERATIONAL CURRENT (DC) NO—LOAD CURRENT RESIDUAL CURRENT RATED INSULATION VOLTAGE SHORT—CIRCUIT PROTECTED WIRE BREAKAGE PROTECTION REVERSE POLARITY PROTECTION INCORPORATED OUTPUT FUNCTION MAX. SWITCHING FREQUENCY HOUSING MATERIAL ACTIVE FACE MATERIAL PLASTIC, PP CABLE WHOLE SHOCK RESISTANCE VIDENATION CONTROL (IN TO ME SHOCK) SHOCK RESISTANCE PLASTIC, PP VIBRATION RESISTANCE VIBRATION RESISTANCE VIBRATION RESISTANCE VISTOR TO		TEMPERATURE DRIFT	≤±10%					
RATED OPERATIONAL VOLTAGE RIPPLE \$10% RATED OPERATIONAL CURRENT (DC) NO—LOAD CURRENT RESIDUAL CURRENT \$15 mA RESIDUAL CURRENT \$0.1 mA RATED INSULATION VOLTAGE SHORT—CIRCUIT PROTECTED WIRE BREAKAGE PROTECTION REVERSE POLARITY PROTECTION INCORPORATED OUTPUT FUNCTION MAX. SWITCHING FREQUENCY HOUSING MATERIAL ACTIVE FACE MATERIAL PLASTIC, PA12—GF20 END CAP MATERIAL PLASTIC, PP CABLE \$4.0, LIFTY—11Y, TPU SHOCK RESISTANCE VIBRATION RESISTANCE S150 mA 10—30 VDC 110 mA 10—30 VDC 110 mA 110		HYSTERESIS	3-15%					
RIPPLE ≤10% RATED OPERATIONAL CURRENT (DC) ≤150 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 WIRE BREAKAGE PROTECTION INCORPORATED REVERSE POLARITY PROTECTION INCORPORATED OUTPUT FUNCTION 3—WIRE, NORMALLY OPEN, PNP MAX. SWITCHING FREQUENCY ≤3.0 kHz HOUSING MATERIAL METAL, A4 1.4404 (AISI 316L) ACTIVE FACE MATERIAL PLASTIC, PP CABLE Ø4.0, LifYY—11Y, TPU SHOCK RESISTANCE 30 g, 11 ms VIBRATION RESISTANCE (IN ALL 3 PLANES)		OPERATING TEMPERATURE	-25°C to +70°C (-13°F to +158°F)					
RATED OPERATIONAL CURRENT (DC) ≤150 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 WIRE BREAKAGE PROTECTION INCORPORATED REVERSE POLARITY PROTECTION INCORPORATED OUTPUT FUNCTION 3—WIRE, NORMALLY OPEN, PNP MAX. SWITCHING FREQUENCY ≤3.0 kHz HOUSING MATERIAL METAL, A4 1.4404 (AISI 316L) ACTIVE FACE MATERIAL PLASTIC, PA12—GF20 END CAP MATERIAL PLASTIC, PP CABLE Ø4.0, Liftyr—11Y, TPU SHOCK RESISTANCE 30 g, 11 ms VIBRATION RESISTANCE (IN ALL 3 PLANES)		RATED OPERATIONAL VOLTAGE	10-30 VDC					
NO-LOAD CURRENT RESIDUAL CURRENT SOL 1 mA RATED INSULATION VOLTAGE SHORT-CIRCUIT PROTECTED MAX VOLTAGE DROP SIRCUPPORATED WIRE BREAKAGE PROTECTION REVERSE POLARITY PROTECTION OUTPUT FUNCTION MAX. SWITCHING FREQUENCY HOUSING MATERIAL ACTIVE FACE MATERIAL CABLE SHOCK RESISTANCE VES INCORPORATED INCORPORATED INCORPORATED SIRCUPPORATED ACTIVE FACE MATERIAL PLASTIC, PA12-GF20 PLASTIC, PP CABLE SHOCK RESISTANCE VIBRATION RESISTANCE SOL 1 mA ACTIVE FACE MATERIAL PLASTIC, PP CABLE SHOCK RESISTANCE VIBRATION RESISTANCE VIBRATION RESISTANCE SOL 1 mA ACTIVE FACE MATERIAL PLASTIC, PP CABLE SHOCK RESISTANCE VIBRATION RESISTANCE VIBRATION RESISTANCE	l	RIPPLE	≤10%					
RESIDUAL CURRENT ≤ 0.1 mA RATED INSULATION VOLTAGE ≤ 0.5 kV SHORT—CIRCUIT PROTECTED YES MAX VOLTAGE DROP ≤ 1.8 V WIRE BREAKAGE PROTECTION INCORPORATED REVERSE POLARITY PROTECTION INCORPORATED OUTPUT FUNCTION 3—WIRE, NORMALLY OPEN, PNP MAX. SWITCHING FREQUENCY ≤ 3.0 kHz HOUSING MATERIAL METAL, A4 1.4404 (AISI 316L) ACTIVE FACE MATERIAL PLASTIC, PA12—GF20 END CAP MATERIAL PLASTIC, PP CABLE Ø4.0, LifYY—11Y, TPU SHOCK RESISTANCE 30 g, 11 ms VIBRATION RESISTANCE (IN ALL 3 PLANES)		RATED OPERATIONAL CURRENT (DC)	≤150 mA					
RATED INSULATION VOLTAGE SHORT—CIRCUIT PROTECTED YES MAX VOLTAGE DROP SINCORPORATED REVERSE POLARITY PROTECTION OUTPUT FUNCTION MAX. SWITCHING FREQUENCY HOUSING MATERIAL ACTIVE FACE MATERIAL CABLE SHOCK RESISTANCE SHOCK SHORT YES YES YES YES YES YES 1.8 V INCORPORATED INCORPORATED INCORPORATED SHORMALLY OPEN, PNP ≤ 3.0 kHz METAL, A4 1.4404 (AISI 316L) PLASTIC, PA12—GF20 END CAP MATERIAL PLASTIC, PP CABLE SHOCK RESISTANCE 30 g, 11 ms VIBRATION RESISTANCE VIBRATION RESISTANCE		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 CABLE SHOCK RESISTANCE WES YES 1.8 V INCORPORATED INCORPORATED SHOCK PROMALLY OPEN, PNP ≤ 3.0 kHz METAL, A4 1.4404 (AISI 316L) PLASTIC, PA12-GF20 PLASTIC, PP CABLE SHOCK RESISTANCE 30 g, 11 ms VIBRATION RESISTANCE VIBRATION RESISTANCE		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, PNP MAX. SWITCHING FREQUENCY ≤ 3.0 kHz HOUSING MATERIAL METAL, A4 1.4404 (AISI 316L) ACTIVE FACE MATERIAL PLASTIC, PA12—GF20 END CAP MATERIAL PLASTIC, PP CABLE Ø4.0, Liftyy—11Y, TPU SHOCK RESISTANCE 30 g, 11 ms VIBRATION RESISTANCE (IN ALL 3 PLANES)		RATED INSULATION VOLTAGE	≤0.5 kV					
WIRE BREAKAGE PROTECTION INCORPORATED REVERSE POLARITY PROTECTION INCORPORATED OUTPUT FUNCTION 3—WIRE, NORMALLY OPEN, PNP MAX. SWITCHING FREQUENCY ≤ 3.0 kHz HOUSING MATERIAL METAL, A4 1.4404 (AISI 316L) ACTIVE FACE MATERIAL PLASTIC, PA12—GF20 END CAP MATERIAL PLASTIC, PP CABLE Ø4.0, Liftyy—11Y, TPU SHOCK RESISTANCE 30 g, 11 ms VIBRATION RESISTANCE (IN ALL 3 PLANES)		SHORT-CIRCUIT PROTECTED	YES					
REVERSE POLARITY PROTECTION INCORPORATED OUTPUT FUNCTION 3-WIRE, NORMALLY OPEN, PNP MAX. SWITCHING FREQUENCY ≤ 3.0 kHz HOUSING MATERIAL METAL, A4 1.4404 (AISI 316L) ACTIVE FACE MATERIAL PLASTIC, PA12-GF20 END CAP MATERIAL PLASTIC, PP CABLE Ø4.0, Liftyy-11Y, TPU SHOCK RESISTANCE 30 g, 11 ms VIBRATION RESISTANCE (IN ALL 3 PLANES)		MAX VOLTAGE DROP	≤1.8 V					
OUTPUT FUNCTION 3-WIRE, NORMALLY OPEN, PNP MAX. SWITCHING FREQUENCY ≤ 3.0 kHz HOUSING MATERIAL METAL, A4 1.4404 (AISI 316L) ACTIVE FACE MATERIAL PLASTIC, PA12-GF20 END CAP MATERIAL PLASTIC, PP CABLE Ø4.0, LifYY-11Y, TPU SHOCK RESISTANCE 30 g, 11 ms VIBRATION RESISTANCE (IN ALL 3 PLANES)		WIRE BREAKAGE PROTECTION	INCORPORATED					
MAX. SWITCHING FREQUENCY ≤ 3.0 kHz HOUSING MATERIAL METAL, A4 1.4404 (AISI 316L) ACTIVE FACE MATERIAL PLASTIC, PA12-GF20 END CAP MATERIAL PLASTIC, PP CABLE Ø4.0, Lifyy-11Y, TPU SHOCK RESISTANCE 30 g, 11 ms VIBRATION RESISTANCE (IN ALL 3 PLANES)		REVERSE POLARITY PROTECTION	INCORPORATED					
HOUSING MATERIAL ACTIVE FACE MATERIAL PLASTIC, PA12-GF20 END CAP MATERIAL PLASTIC, PP CABLE Ø4.0, Liftyy-11y, TPU SHOCK RESISTANCE VIBRATION RESISTANCE METAL, A4 1.4404 (AISI 316L) PLASTIC, PP 44.0, Liftyy-11y, TPU SHOCK RESISTANCE STANCE METAL, A4 1.4404 (AISI 316L) PLASTIC, PA12-GF20 PLASTIC, PP (AISI 316L) PLASTIC, PA12-GF20 FINAL 3 PLANES		OUTPUT FUNCTION	3-WIRE, NORMALLY OPEN, PNP					
ACTIVE FACE MATERIAL PLASTIC, PA12-GF20 END CAP MATERIAL PLASTIC, PP CABLE Ø4.0, LifYY-11Y, TPU SHOCK RESISTANCE 30 g, 11 ms VIBRATION RESISTANCE VIBRATION RESISTANCE VIBRATION RESISTANCE		MAX. SWITCHING FREQUENCY	≤ 3.0 kHz					
END CAP MATERIAL PLASTIC, PP CABLE Ø4.0, LifYY-11Y, TPU SHOCK RESISTANCE 30 g, 11 ms VIBRATION RESISTANCE VIBRATION RESISTANCE VIBRATION RESISTANCE		HOUSING MATERIAL	METAL, A4 1.4404 (AISI 316L)					
CABLE Ø4.0, LifYY-11Y, TPU SHOCK RESISTANCE 30 g, 11 ms VIBRATION RESISTANCE (IN ALL 3 PLANES)		ACTIVE FACE MATERIAL	PLASTIC, PP ### ### ### ### ### ### ### ### ###					
SHOCK RESISTANCE 30 g, 11 ms VIBRATION RESISTANCE 55 Hz, 1 mm AMPLITUDE (IN ALL 3 PLANES)		END CAP MATERIAL						
VIBRATION RESISTANCE 55 Hz, 1 mm AMPLITUDE (IN ALL 3 PLANES)		CABLE						
VIDINATION RESISTANCE (IN ALL 3 PLANES)		SHOCK RESISTANCE						
DEGREE OF PROTECTION IP67		VIBRATION RESISTANCE						
		DEGREE OF PROTECTION	IP67					
SWITCHING STATUS INDICATION LED: YELLOW		SWITCHING STATUS INDICATION	LED: YELLOW					

SOURCE DRAWING - FOR REFERENCE ONLY

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