



RATED OPERATING DISTANCE  MOUNTING MODE  FLUSH  MIN. REPEAT ACCURACY  TEMPERATURE DRIFT  ≤±10% ≤±15%, ≤−25°C v ≥+70°C  HYSTERESIS  OPERATING TEMPERATURE  -30°C to +85°C (−22°F to +185°F)  RATED OPERATIONAL VOLTAGE  MAX. RIPPLE  □ 10%  DC RATED OPERATIONAL CURRENT  RESIDUAL CURRENT  RATED INSULATION VOLTAGE  MAX. VOLTAGE  MAX. VOLTAGE DROP  WIRE BREAKAGE PROTECTION  REVERSE POLARITY PROTECTION  MAX. VOLTAGE DROP  WIRE BREAKAGE PROTECTION  MAX. SWITCHING FREQUENCY  HOUSING MATERIAL  METAL, A2 1.4301 (AISI 304)  ACTIVE FACE  PLASTIC, LCP—GF30  END CAP  VIBRATION RESISTANCE  55 Hz (IN ALL 3 PLANES)  SHOCK RESISTANCE  TEMPERATION INDOCATION  IP 68  ENTERING STATUS INDICATION  FELICATION  ALED. YELLOW  LED. YELLOW	SPECIFICATIONS	
MIN. REPEAT ACCURACY  TEMPERATURE DRIFT  \$\leq \text{15\%}, \leq -25\cdot \text{V} \geq +70\cdot \text{C}\$  HYSTERESIS  OPERATING TEMPERATURE  RATED OPERATIONAL VOLTAGE  DC RATED OPERATIONAL CURRENT  DC RATED OPERATIONAL CURRENT  SOLUTION  NO-LOAD CURRENT  RESIDUAL CURRENT  RATED INSULATION VOLTAGE  SHORT-CIRCUIT PROTECTION  MAX. VOLTAGE DROP  WIRE BREAKAGE PROTECTION  REVERSE POLARITY PROTECTION  MAX. SWITCHING FREQUENCY  HOUSING MATERIAL  METAL, A2 1.4301 (AISI 304)  ACTIVE FACE  END CAP  PLASTIC, EPTR  CABLE  Ø5.2, PVC  VIBRATION RESISTANCE  SHOCK RESISTANCE  DEGREE OF PROTECTION  IP 68	RATED OPERATING DISTANCE	5mm [.197]
TEMPERATURE DRIFT    ≤±10%     ≤±15%, ≤−25°C v ≥+70°C     HYSTERESIS   3−15%     OPERATING TEMPERATURE   −30°C to +85°C (−22°F to +185°F)     RATED OPERATIONAL VOLTAGE   10−30 VDC     MAX. 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 PROTECTION   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   ≤1.5 kHz     HOUSING MATERIAL   METAL, A2 1.4301 (AISI 304)     ACTIVE FACE   PLASTIC, LCP−GF30     END CAP   PLASTIC, EPTR     CABLE   Ø5.2, PVC     VIBRATION RESISTANCE   55 Hz (IN ALL 3 PLANES)     SHOCK RESISTANCE   30 g, 11 ms     DEGREE OF PROTECTION   IP 68	MOUNTING MODE	FLUSH
S±15%, S−25°C v ≥+70°C  HYSTERESIS  OPERATING TEMPERATURE  -30°C to +85°C (−22°F to +185°F)  RATED OPERATIONAL VOLTAGE  10−30 VDC  MAX. RIPPLE  S10%  DC RATED OPERATIONAL CURRENT  S15 mA  RESIDUAL CURRENT  RATED INSULATION VOLTAGE  SHORT-CIRCUIT PROTECTION  WIRE BREAKAGE PROTECTION  REVERSE POLARITY PROTECTION  MAX. SWITCHING FREQUENCY  HOUSING MATERIAL  METAL, A2 1.4301 (AISI 304)  ACTIVE FACE  END CAP  PLASTIC, EPTR  CABLE  Ø5.2, PVC  VIBRATION RESISTANCE  SHOCK RESISTANCE  DEGREE OF PROTECTION  IP-30°C to +85°C (−22°F to +185°F)  A-10°C to +85°C (−22°F to +185°F)  FACILITATION  ACTIVE FACE  PLASTIC, LOP-GF30  FIND CAP  VIBRATION RESISTANCE  SHOCK RESISTANCE  JD 68	MIN. REPEAT ACCURACY	≤ 2%
OPERATING TEMPERATURE  -30°C to +85°C (−22°F to +185°F)  RATED OPERATIONAL VOLTAGE  MAX. RIPPLE  ≤ 10%  DC RATED OPERATIONAL CURRENT  ≤ 200 mA  NO−LOAD CURRENT  RESIDUAL CURRENT  RATED INSULATION VOLTAGE  ≤ 0.1 mA  RATED INSULATION VOLTAGE  ≤ 0.5 kV  SHORT−CIRCUIT PROTECTION  WIRE BREAKAGE PROTECTION  REVERSE POLARITY PROTECTION  MAX. VOLTAGE NOP  MAX. SWITCHING FREQUENCY  HOUSING MATERIAL  ACTIVE FACE  END CAP  CABLE  Ø5.2, PVC  VIBRATION RESISTANCE  SHOCK RESISTANCE  DEGREE OF PROTECTION  ID—30°C to +85°C (−22°F to +185°F)  ID—30°C to +185°F)  I	TEMPERATURE DRIFT	
RATED OPERATIONAL VOLTAGE  MAX. RIPPLE  S 10%  DC RATED OPERATIONAL CURRENT  S 200 mA  NO-LOAD CURRENT  RESIDUAL CURRENT  RATED INSULATION VOLTAGE  SHORT-CIRCUIT PROTECTION  MAX. VOLTAGE DROP  S 1.8 V  WIRE BREAKAGE PROTECTION  REVERSE POLARITY PROTECTION  MAX. SWITCHING FREQUENCY  HOUSING MATERIAL  METAL, A2 1.4301 (AISI 304)  ACTIVE FACE  END CAP  PLASTIC, LCP-GF30  END CAP  VIBRATION RESISTANCE  SHOCK RESISTANCE  DEGREE OF PROTECTION  INCORPORATED  MCTIVE FACE  PLASTIC, LCP-GF30  FIND CAP  PLASTIC, EPTR  CABLE  Ø5.2, PVC  VIBRATION RESISTANCE  30 g, 11 ms  DEGREE OF PROTECTION  IP 68	HYSTERESIS	3-15%
MAX. 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 PROTECTION 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 ≤ 1.5 kHz  HOUSING MATERIAL METAL, A2 1.4301 (AISI 304)  ACTIVE FACE PLASTIC, LCP-GF30  END CAP PLASTIC, EPTR  CABLE Ø5.2, PVC  VIBRATION RESISTANCE 55 Hz (IN ALL 3 PLANES)  SHOCK RESISTANCE 30 g, 11 ms  DEGREE OF PROTECTION IP 68	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 PROTECTION 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 ≤ 1.5 kHz  HOUSING MATERIAL METAL, A2 1.4301 (AISI 304)  ACTIVE FACE PLASTIC, LCP—GF30  END CAP PLASTIC, EPTR  CABLE Ø5.2, PVC  VIBRATION RESISTANCE 55 Hz (IN ALL 3 PLANES)  SHOCK RESISTANCE 30 g, 11 ms  DEGREE OF PROTECTION IP 68	RATED OPERATIONAL VOLTAGE	10-30 VDC
NO_LOAD CURRENT ≤ 15 mA  RESIDUAL CURRENT ≤ 0.1 mA  RATED INSULATION VOLTAGE ≤ 0.5 kV  SHORT—CIRCUIT PROTECTION 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 ≤ 1.5 kHz  HOUSING MATERIAL METAL, A2 1.4301 (AISI 304)  ACTIVE FACE PLASTIC, LCP—GF30  END CAP PLASTIC, EPTR  CABLE Ø5.2, PVC  VIBRATION RESISTANCE 55 Hz (IN ALL 3 PLANES)  SHOCK RESISTANCE 30 g, 11 ms  DEGREE OF PROTECTION IP 68	MAX. RIPPLE	≤ 10%
RESIDUAL CURRENT ≤ 0.1 mA  RATED INSULATION VOLTAGE ≤ 0.5 kV  SHORT-CIRCUIT PROTECTION 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 ≤ 1.5 kHz  HOUSING MATERIAL METAL, A2 1.4301 (AISI 304)  ACTIVE FACE PLASTIC, LCP-GF30  END CAP PLASTIC, EPTR  CABLE Ø5.2, PVC  VIBRATION RESISTANCE 55 Hz (IN ALL 3 PLANES)  SHOCK RESISTANCE 30 g, 11 ms  DEGREE OF PROTECTION IP 68	DC RATED OPERATIONAL CURRENT	≤ 200 mA
RATED INSULATION VOLTAGE ≤ 0.5 kV  SHORT-CIRCUIT PROTECTION 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 ≤ 1.5 kHz  HOUSING MATERIAL METAL, A2 1.4301 (AISI 304)  ACTIVE FACE PLASTIC, LCP-GF30  END CAP PLASTIC, EPTR  CABLE Ø5.2, PVC  VIBRATION RESISTANCE 55 Hz (IN ALL 3 PLANES)  SHOCK RESISTANCE 30 g, 11 ms  DEGREE OF PROTECTION IP 68	NO-LOAD CURRENT	≤ 15 mA
SHORT—CIRCUIT PROTECTION  MAX. VOLTAGE DROP  ✓ 1.8 V  WIRE BREAKAGE PROTECTION  REVERSE POLARITY PROTECTION  OUTPUT FUNCTION  MAX. SWITCHING FREQUENCY  ✓ 1.5 kHz  HOUSING MATERIAL  METAL, A2 1.4301 (AISI 304)  ACTIVE FACE  END CAP  PLASTIC, LCP—GF30  END CAP  PLASTIC, EPTR  CABLE  Ø5.2, PVC  VIBRATION RESISTANCE  SHOCK RESISTANCE  DEGREE OF PROTECTION  IP 68	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 ≤ 1.5 kHz  HOUSING MATERIAL METAL, A2 1.4301 (AISI 304)  ACTIVE FACE PLASTIC, LCP-GF30  END CAP PLASTIC, EPTR  CABLE Ø5.2, PVC  VIBRATION RESISTANCE 55 Hz (IN ALL 3 PLANES)  SHOCK RESISTANCE 30 g, 11 ms  DEGREE OF PROTECTION IP 68	RATED INSULATION VOLTAGE	≤ 0.5 kV
WIRE BREAKAGE PROTECTION INCORPORATED  REVERSE POLARITY PROTECTION INCORPORATED  OUTPUT FUNCTION 3-WIRE, NORMALLY OPEN, PNP  MAX. SWITCHING FREQUENCY ≤1.5 kHz  HOUSING MATERIAL METAL, A2 1.4301 (AISI 304)  ACTIVE FACE PLASTIC, LCP-GF30  END CAP PLASTIC, EPTR  CABLE Ø5.2, PVC  VIBRATION RESISTANCE 55 Hz (IN ALL 3 PLANES)  SHOCK RESISTANCE 30 g, 11 ms  DEGREE OF PROTECTION IP 68	SHORT-CIRCUIT PROTECTION	YES
REVERSE POLARITY PROTECTION INCORPORATED  OUTPUT FUNCTION 3-WIRE, NORMALLY OPEN, PNP  MAX. SWITCHING FREQUENCY ≤1.5 kHz  HOUSING MATERIAL METAL, A2 1.4301 (AISI 304)  ACTIVE FACE PLASTIC, LCP-GF30  END CAP PLASTIC, EPTR  CABLE Ø5.2, PVC  VIBRATION RESISTANCE 55 Hz (IN ALL 3 PLANES)  SHOCK RESISTANCE 30 g, 11 ms  DEGREE OF PROTECTION IP 68	MAX. VOLTAGE DROP	≤ 1.8 V
OUTPUT FUNCTION  3-WIRE, NORMALLY OPEN, PNP  MAX. SWITCHING FREQUENCY  ≤1.5 kHz  HOUSING MATERIAL  METAL, A2 1.4301 (AISI 304)  ACTIVE FACE  PLASTIC, LCP-GF30  END CAP  PLASTIC, EPTR  CABLE  Ø5.2, PVC  VIBRATION RESISTANCE  55 Hz (IN ALL 3 PLANES)  SHOCK RESISTANCE  30 g, 11 ms  DEGREE OF PROTECTION  IP 68	WIRE BREAKAGE PROTECTION	INCORPORATED
MAX. SWITCHING FREQUENCY ≤ 1.5 kHz  HOUSING MATERIAL METAL, A2 1.4301 (AISI 304)  ACTIVE FACE PLASTIC, LCP-GF30  END CAP PLASTIC, EPTR  CABLE Ø5.2, PVC  VIBRATION RESISTANCE 55 Hz (IN ALL 3 PLANES)  SHOCK RESISTANCE 30 g, 11 ms  DEGREE OF PROTECTION IP 68	REVERSE POLARITY PROTECTION	INCORPORATED
HOUSING MATERIAL METAL, A2 1.4301 (AISI 304)  ACTIVE FACE PLASTIC, LCP-GF30  END CAP PLASTIC, EPTR  CABLE Ø5.2, PVC  VIBRATION RESISTANCE 55 Hz (IN ALL 3 PLANES)  SHOCK RESISTANCE 30 g, 11 ms  DEGREE OF PROTECTION IP 68	OUTPUT FUNCTION	3-WIRE, NORMALLY OPEN, PNP
ACTIVE FACE PLASTIC, LCP-GF30  END CAP PLASTIC, EPTR  CABLE Ø5.2, PVC  VIBRATION RESISTANCE 55 Hz (IN ALL 3 PLANES)  SHOCK RESISTANCE 30 g, 11 ms  DEGREE OF PROTECTION IP 68	MAX. SWITCHING FREQUENCY	≤ 1.5 kHz
END CAP PLASTIC, EPTR  CABLE	HOUSING MATERIAL	METAL, A2 1.4301 (AISI 304)
CABLE         Ø5.2, PVC           VIBRATION RESISTANCE         55 Hz (IN ALL 3 PLANES)           SHOCK RESISTANCE         30 g, 11 ms           DEGREE OF PROTECTION         IP 68	ACTIVE FACE	PLASTIC, LCP-GF30
VIBRATION RESISTANCE 55 Hz (IN ALL 3 PLANES)  SHOCK RESISTANCE 30 g, 11 ms  DEGREE OF PROTECTION IP 68	END CAP	PLASTIC, EPTR
SHOCK RESISTANCE 30 g, 11 ms  DEGREE OF PROTECTION IP 68	CABLE	ø5.2, PVC
DEGREE OF PROTECTION IP 68	VIBRATION RESISTANCE	55 Hz (IN ALL 3 PLANES)
	SHOCK RESISTANCE	30 g, 11 ms
CWITCHING CTATUS INDICATION LED VELLOW	DEGREE OF PROTECTION	IP 68
SWITCHING STATUS INDICATION   LED, TELLOW	SWITCHING STATUS INDICATION	LED, YELLOW

## SOURCE DRAWING - FOR REFERENCE ONLY

