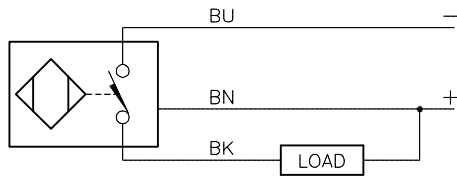


**WIRING DIAGRAM**

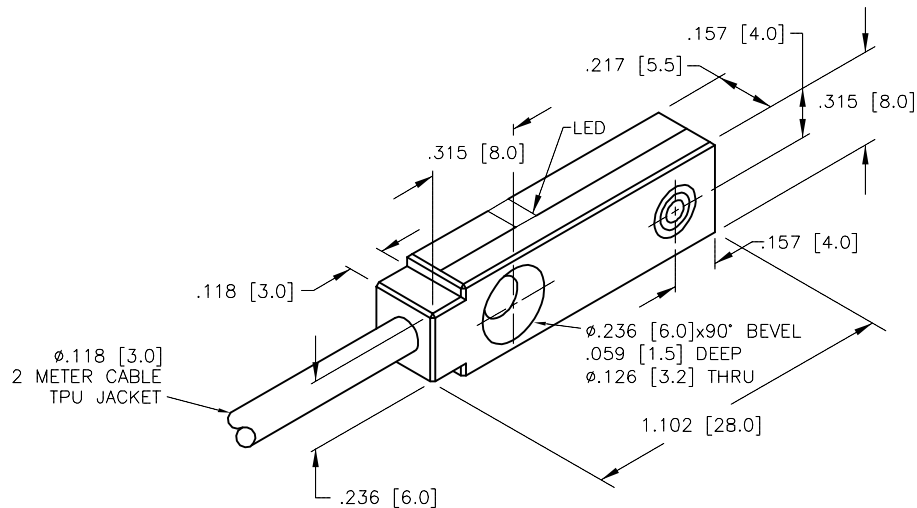
The diagram shows a three-phase supply system with lines labeled BU, BN, and BK. Line BU is connected to the top terminal of a motor symbol. Line BN is connected to the middle terminal. Line BK is connected to the bottom terminal of the motor and also passes through a rectangular box labeled "LOAD". The output of the load is connected back to the positive terminal (+) of the supply.

OUTPUT: AN6X

**SHORT-CIRCUIT AND OVERLOAD PROTECTED**



SHORT-CIRCUIT AND OVERLOAD PROTECTED



SPECIFICATIONS	
RATED OPERATING DISTANCE	2 mm [.079"]
MOUNTING MODE	FLUSH
TEMPERATURE DRIFT	≤ ±10%
HYSTERESIS	3–15%
MIN. REPEAT ACCURACY	≤2%
OPERATING TEMPERATURE	–25°C to +85°C (–13°F to +185°F)
RATED OPERATIONAL VOLTAGE	10–30 VDC
RESIDUAL RIPPLE	≤10%
DC RATED OPERATIONAL CURRENT	≤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
SWITCHING FREQUENCY	≤ 2.0 kHz
WIRE–BREAK PROTECTION	INCORPORATED
REVERSE POLARITY PROTECTION	INCORPORATED
OUTPUT FUNCTION	3–WIRE, NORMALLY OPEN, NPN
HOUSING MATERIAL/COLOR	PLASTIC, PP/YELLOW
ACTIVE FACE	PLASTIC, PA12–GF30
CABLE	ø3.0, LifYY–11Y, TPU, 2 METERS
VIBRATION RESISTANCE	55 Hz (IN ALL 3 PLANES)
SHOCK RESISTANCE	30 g, 11 ms
DEGREE OF PROTECTION	IP 67
SWITCHING STATUS INDICATION	LED, YELLOW

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REV	DESCRIPTION	BY	DATE	ECO NO.

- 1.
- 2.
- 3.
- 4.

DRFT	JB
DSGN	eh

DRFT	JB
DSGN	eh

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FOR MORE  
INFORMATION

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DSGN	eh

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DSGN	eh

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Bi 2-Q5.5-AN6X

IDENTIFICATION NO.
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SHEET 1 OF 1