

WIRING DIAGRAM

BN +

BK LOAD

BU -

OUTPUT: AP6X

SHORT-CIRCUIT AND OVERLOAD PROTECTED

LOCKNUT LN-MT18 (SST)

M18x1

.945 24.0

1.083 27.5

.157 4.0

SPECIFICATIONS	
RATED OPERATING DISTANCE	10mm [.394"]
MOUNTING MODE	FLUSH
TEMPERATURE DRIFT	≤ ±10%
HYSTERESIS	15%
MIN. REPEAT ACCURACY	≤ 5%
OPERATING TEMPERATURE	-25°C to +70°C (-13°F to +158°F)
RATED OPERATIONAL VOLTAGE	10-30 VDC
RESIDUAL RIPPLE	≤ 20%
RATED OPERATIONAL CURRENT	≤ 200 mA
NO-LOAD CURRENT	≤ 10 mA
RESIDUAL CURRENT	≤ 0.1 mA
RATED INSULATION VOLTAGE	≤ 0.5 kV
SHORT-CIRCUIT PROTECTION	YES
MAX. VOLTAGE DROP	≤ 2.0 V
WIRE BREAKAGE PROTECTION	INCORPORATED
REVERSE POLARITY PROTECTION	INCORPORATED
OUTPUT FUNCTION	3-WIRE, NORMALLY OPEN, PNP
MAX. SWITCHING FREQUENCY	≤ 0.2 kHz
HOUSING MATERIAL	METAL, V2A (1.4305)/PTFE-COATED
ACTIVE FACE MATERIAL	METAL, V2A (1.4305)
CONNECTION	M12x1
VIBRATION RESISTANCE	55 Hz (IN ALL 3 PLANES)
SHOCK RESISTANCE	30 g, 11 ms
DEGREE OF PROTECTION	IP68/IP69K
SWITCHING STATUS INDICATION	LED: YELLOW

NOTES:

1. "/S1765" DESIGNATES WELDGUARD COATED SENSOR WITH SILICONE SLEEVING. SLEEVE STARTS ON SENSOR END, AND COVERS ALL BUT 200MM OF CABLE HELD IN PLACE BY SHRINK TUBE.

2. "/SV" DESIGNATES SPECIAL PACKAGING FOR VENDING MACHINES.

B	UPDATED NO-LOAD CURRENT SPECS PER ECO	TV	02/22/17	58918
REV	DESCRIPTION	BY	DATE	ECO NO.

RELATED DOCUMENTS

1.
2.
3.
4.

3RD ANGLE PROJECTION

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DRFT TV

APVD A.F.

DATE 02/15/17

SCALE 1=1.5

UNIT OF MEASUREMENT
INCH [MILLIMETER]

DO NOT SCALE THIS DRAWING

DESCRIPTION
BI10-EGT18F-AP6X-0.5M-RS 4T/S1765/SV

IDENTIFICATION NO.
4614997

REV
B

FILE: 4614997

SHEET 1 OF 1