



Photo Interrupters Actuator Type (Opic)

Part No.	Package (mm [Inch])	V_{OL} @Light beam interrupted $I_{OL}=16mA$	V_{OH} @Light beam interrupted $R_L=47K$	I_{CCH} @Light beam interrupted
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Technical drawing of BPI-3C2A-03W1* showing dimensions and circuit schematic. Dimensions include 12.50 [0.493], 11.00 [0.433], 8.00 [0.315], 7.00 [0.276], 19.50 [0.768], 3.00 [0.118], 6.00 [0.236], 8.00 [0.315], 10.00 [0.394], 9.50 [0.374], 3.00 [0.118], 4.50 [0.177], 12.00 [0.473], 500±15 [19.685±0.591], and -1.50 [0.059].

Circuit schematic includes a voltage regulator and an Actuator Sensor. Legend: ① Vcc:Blue, ② Vo:Red, ③ GND:Black. Maker: JST, Part No.: PHR-3.

Top View

Tolerance: ±0.25

BPI-3C2A-03W1*	Max.0.35V	Min.V _{CC} 0.9V	Max.30mA
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Technical drawing of BPI-3C2A-05W2* showing dimensions and circuit schematic. Dimensions include 14.00 [0.552], 19.50 [0.768], 14.20 [0.559], 2-ø4.00 [0.158], 5.10 [0.201], 24.71 [0.974], 4.50 [0.177], 3.00 [0.118], 8.25 [0.325], 9.50 [0.374], 11.50 [0.453], 1.85 [0.073], 8.00 [0.315], 1.60 [0.063], 550±10 [22.254±0.394], 410±10 [16.142±0.394], 485±10 [10.095±0.394], 1.65 [0.065], 2.50 [0.099], 1.50 [0.059], 8.00 [0.315], 13.00 [0.512], 8.60 [0.339], 10.00 [0.394], and d=20mm.

Circuit schematic includes a Voltage Regulator and an Actuator Sensor. Legend: ① Vout: Black, ② Vcc: White, ③ GND: Blue, ④ Vout: Red, ⑤ Vcc: Grey, ⑥ GND: Black. Actuator Sensor Legend: ⑦ Anode: Green, ⑧ Cathode: Orange, ⑨ Collector: Yellow, ⑩ Emitter: Purple. Reflective Sensor Legend: ⑪ Anode: Green, ⑫ Cathode: Orange, ⑬ Collector: Yellow, ⑭ Emitter: Purple.

Maker: JST, Part No.: PHDR-14VS.

Tolerance: ±0.25

BPI-3C2A-05W2*	Max.0.35V	Min.V _{CC} 0.9V	Max.30mA
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* Preliminary Drawings