

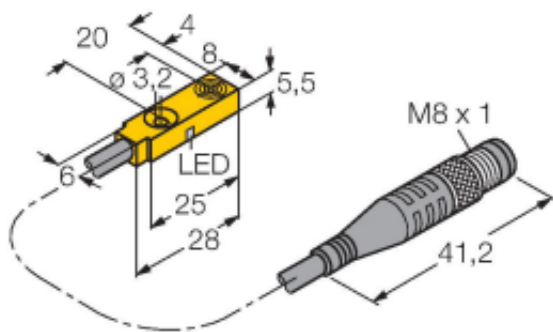
## Inductive

## Sensor, BI2-Q5.5-AP6X-0.3-PSG3M

URL: <https://www.sxplc.com/inductive-sensor->

bi2-q5-5-ap6x-0-3-psg3m

## Product data sheet



|   |  |
|---|--|
| Type                                      | B12-Q5.5-AP6X-0.3-PSG3M                            |
| ID  | 16130825   |
| <b>General data</b>                       |  |
| Rated switching distance                  | 2 mm   |
| Mounting conditions                       | Flush  |
| Secured operating distance                | $\leq (0.81 \times S_n)$ mm                        |
| Correction factors                        | St37 = 1; Al = 0.3; stainless steel = 0.7; M = 0.4 |
| Repeat accuracy                           | $\leq 2$ % of full scale                           |
| Hysteresis                                | 3...15 %   |
| <b>Electrical data</b>                    |  |
| Operating voltage                         | 10...30 VDC  |
| Residual ripple                           | $\leq 10$ % $U_n$                                  |
| DC rated operational current              | $\leq 150$ mA                                      |
| No-load current                           | 15 mA  |
| Residual current                          | $\leq 0.1$ mA                                      |
| Isolation test voltage                    | $\leq 0.5$ kV                                      |
| Short-circuit protection                  | yes / Cyclic                                       |
| Voltage drop at $I_n$                     | $\leq 1.8$ V                                       |
| Wire breakage/Reverse polarity protection | yes / Complete                                     |
| Output function                           | 3-wire, NO contact, PNP                            |
| Switching frequency                       | 2 kHz  |
| <b>Mechanical data</b>                    |  |
| Design                                    | Rectangular, Q5,5                                  |

