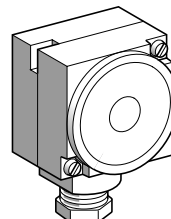
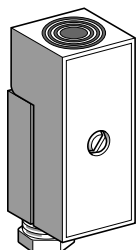


## References, characteristics Inductive proximity sensors

Universal series, compact, plug-in  
Plastic case : 33.5 x 33 x 90 and 41 x 50 x 76 mm  
a.c. or d.c. supply

Non flush mountable in metal



|                               | DC    | AC    | AC    | AC    | DC    | AC    | AC    |
|-------------------------------|-------|-------|-------|-------|-------|-------|-------|
| Nominal sensing distance (Sn) | 13 mm | 13 mm | 13 mm | 13 mm | 25 mm | 25 mm | 25 mm |

### References

|                 |       |            |             |            |            |            |            |            |
|-----------------|-------|------------|-------------|------------|------------|------------|------------|------------|
| 2-wire $\equiv$ | NO    | XSB-C10710 | –           | –          | –          | XSB-C25710 | –          | –          |
| 2-wire $\sim$   | NO    | –          | XSB-A104112 | XSB-A10511 | XSB-A10611 | –          | XSB-A25811 | XSB-A25911 |
|                 | NC    | –          | XSB-A104212 | XSB-A10521 | XSB-A10621 | –          | XSB-A25821 | XSB-A25921 |
| Weight (kg)     | 0.150 | 0.150      | 0.150       | 0.150      | 0.190      | 0.190      | 0.190      | 0.190      |

### Characteristics

|                                   |          |  |                      |                             |                             |             |                            |                             |
|-----------------------------------|----------|--|----------------------|-----------------------------|-----------------------------|-------------|----------------------------|-----------------------------|
| Connection                        |          | Screw terminals, capacity : 2 x 1.5 mm <sup>2</sup>    |                      |                             |                             |             |                            |                             |
| Degree of protection              |          | IP 67  |                      |                             |                             |             |                            |                             |
| Operating zone                    |          | 0...9 mm   |                      |                             | 0...20 mm                   |             |                            |                             |
| Product certifications            |          | Standard version : BV, USSR. Special version : CSA, UL |                      |                             |                             |             |                            |                             |
| Repeat accuracy                   |          | ≤ 5 % of Sr  |                      |                             |                             |             |                            |                             |
| Differential travel               |          | 3...20 % of Sr   |                      |                             |                             |             |                            |                             |
| Operating temperature             |          | – 25... + 70 °C  |                      |                             |                             |             |                            |                             |
| Output state indication           |          | –  | LED                  |                             |                             | –           | LED                        |                             |
| Rated supply voltage              |          | ≡ 24...48 V  | ∼ 48 V<br>(50/60 Hz) | ∼ 110...120 V<br>(50/60 Hz) | ∼ 220...240 V<br>(50/60 Hz) | ≡ 24...48 V | ∼ 48...120 V<br>(50/60 Hz) | ∼ 110...240 V<br>(50/60 Hz) |
| Voltage limits (including ripple) |          | ≡ 12...58 V  | ∼ 40...52 V          | ∼ 93...132 V                | ∼ 187...264 V               | ≡ 12...58 V | ∼ 40...132 V               | ∼ 93...264 V                |
| Switching capacity (1)            |          | 1.5...80 mA  | 60...270 mA          | 30...150 mA                 | 20...150 mA                 | 1.5...80 mA | 30...270 mA                | 20...150 mA                 |
| Voltage drop, closed state        |          | ≤ 7 V  | ≤ 9.5 V              |                             |                             | ≤ 7 V       | ≤ 9.5 V                    |                             |
| Residual current, open state      |          | ≤ 1.2 mA   | ≤ 4.5 mA             |                             |                             | ≤ 1.2 mA    | ≤ 2...4.5 mA               |                             |
| Current consumption, no-load      |          | –  | –                    |                             |                             | –           | –                          |                             |
| Maximum switching frequency       |          | 250 Hz   | 10 Hz                |                             |                             | 250 Hz      | 40 Hz                      |                             |
| Delays                            | first-up | ≤ 1.2 ms   | ≤ 80 ms              |                             |                             | ≤ 1.2 ms    | ≤ 150 ms                   |                             |
|                                   | response | ≤ 0.4 ms   | ≤ 40 ms              |                             |                             | ≤ 0.4 ms    | ≤ 10 ms                    |                             |
|                                   | recovery | ≤ 1 ms   | ≤ 30 ms              |                             |                             | ≤ 1 ms      | ≤ 10 ms                    |                             |

(1) For XSB-A ( $\sim$ ) sensors, not incorporating overload or short-circuit protection, it is recommended that a 0.63 A "quick-blow" fuse be connected in series with the load. See page 31160/2.

### Other versions

Inductive proximity sensors specifically designed for other ambient operating temperatures.  
Please consult your Regional Sales Office.

