

SAFETY

Maximal Degree of Anti-Tamper and Stability in Compact Design!

ZCode-PR is a coded tamperproofed safety switch for the use in the machinery and plant engineering. Coding is achieved by using radio frequency (RFID) and magnetic technology, both principles need to be satisfied for the switch to operate safely. These redundant diverse structure provides the highest degree of anti-tamper, virtually impossible to override. In combination with a dual channel safety relay (e.g. ZANDER SR-Series) or a safety controller (e.g. ZANDER Talos®) the switches are selfmonitoring with short-circuit protection. The high specification plastic housings allow the use in almost any environments, including high pressure cleaning following contamination from foreign particles (IP69K). Suitable and certified for the highest safety standards according to EN ISO 13849-1, 14119 and EN 62061.



- IP67
- Temperature resistant up to 80°C
- RFID- und Magnetic Technology
- Compact housing according to industrial standards
- 2 NC safety outputs, 1 NO auxiliary output
- Master- und Unicode available
- Connect up to 20 switches to one standard safety relay (e.g. ZANDER SR-Series) or to one safety controller (e.g. ZANDER Talos®).
- Up to PL e, Cat. 4 according to EN ISO 13849-1 and SILCL 3 according to EN 62061
- 1 Status LED.

Your advantages at a glance:

- Ideally suited for applications at rough process-environment, e.g. high resistance against temperature and medias
- Maximum anti-tamper protection according to EN ISO 14119
- Wide tolerance to guard misalignment
- High operational life without moving or touching part
- Fullfilled highest safety requirements
- Status LED direct at the switch
- Easy connection to a standard safety relay (e.g. ZANDER SR-Series) or to a safety controller (e.g. ZANDER Talos®).



Technical Data	ZCode-PR & ZCode-LR
Corresponds to the standards	EN 60204-1; DIN EN ISO 13849-1; EN1088, IEC 947-5-3;UL508, DIN EN ISO 14119
Approvals	CE, TÜV
Power supply	DC 24 V, +/- 10%, max. 50 mA
Contact rating outputs	DC 24 V, max. 200 mA, short circuit proof
Contact rating auxiliary output	DC 24 V, max. 200 mA, short circuit proof
Minimum switched current	1 mA
Dielectric withstand	AC 250 V
Recommended setting gap	5 mm
Switching distance, max.	10 mm close / 20 mm open
Tolerance to misalignment	5 mm in any direction from 5 mm setting gap
Switching frequency	max. 1.0 Hz
Approach speed	200 mm/min - 1000 mm/s
Body material	red polyester
Protection	IP69K, IP67
Temperature range	-25°C to +80°C
Shock resistance	11ms 30 g, accord. to IEC 68-2-27
Vibration resistance	10 - 55 Hz 1 mm, accord. to IEC 68-2-6
Cable	PVC 6 core, 6 mm O.D. for 2NC
Mounting	each 2 x M4 screws; 1 Nm recommended; any position
Weight	approx. 200 g
Dimensions	PR: 50 x 25 x 13 mm, LR: 88 x 25 x 13 mm

Order Number	Article
Order No. 941104	ZCode-PR, 5 m Cable, 2NC/1NO, Mastercode, incl. Actuator
Order No. 941105	ZCode-PR, M12, 2NC/1NO, Mastercode, incl. Actuator
Order No. 941124	ZCode-PR, 5 m Cable, 2NC/1NO, Unicode, incl. Actuator
Order No. 941125	ZCode-PR, M12, 2NC/1NO, Unicode, incl. Actuator
Order No. 941109	ZCode-PR Spare Actuator Mastercode
Order No. 941144	ZCode-LR, 5 m Cable, 2NC/1NO, Mastercode, incl. Actuator
Order No. 941145	ZCode-LR, M12, 2NC/1NO, Mastercode, incl. Actuator
Order No. 941154	ZCode-LR, 5 m Cable, 2NC/1NO, Unicode, incl. Actuator
Order No. 941155	ZCode-LR, M12, 2NC/1NO, Unicode, incl. Actuator
Order No. 941149	ZCode-PR Spare Actuator Mastercode

