





**INDUCTIVE
CHIP-IMMUNE**

**FOR THE HARSHTEST
MACHINING ENVIRONMENTS**

Full Inox sensors not influenced by chips of iron, aluminum, stainless steel, brass, copper or titanium

INDUCTIVE CHIP-IMMUNE

IMMUNE TO CHIPS OF IRON, ALUMINUM, STAINLESS STEEL, BRASS, COPPER OR TITANIUM

Even when covered with chips of many types of metal, the new inductive sensors will reliably detect targets made of these metals. The sensors achieve this with a slightly modified form of the Condet® technology. In a one-piece stainless steel housing with IP68 and IP69K protection rating and a wide operating temperature range from -25 to +85°C (-13 to +185°F), they are particularly suitable for use in the harsh environments of the machining industry. Depending on sensor diameter, operating distances of 3, 5 or 12 mm are available. The sensors operate at frequencies of 90, 200 or 400 Hz. In the PNP version, sensors also include an IO-Link interface for point-to-point communication with the controller of the system.

Your advantages

- ✓ Detection not influenced by chips of steel, stainless steel, aluminum, brass, copper or titanium
- ✓ Detection of targets made of the above metals
- ✓ Robust, one-piece stainless-steel housing, protection rating IP68 and IP69K
- ✓ Temperature range -25 to +85°C (-13 to +185°F)
- ✓ Size M12, M18 and M30
- ✓ Operating distances up to 12 mm
- ✓ IO-Link

✓ Steel



✓ Stainless Steel



✓ Aluminum



✓ Brass



✓ Copper



✓ Titanium



APPLICATION: METAL RECYCLING

In metal recycling, Chip-Immune inductive sensors can reliably detect the presence or position of various metal flaps, doors, drawers and other objects, without interference from fragments of metallic residue.

Unique Condet® technology not only ensures long sensor life, but also chip immunity and reliable switching with a wide range of metals.

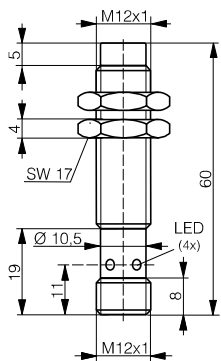
- Easy to install - no need for any programming or adjustment
- Easy to integrate - no need to avoid areas possibly contaminated by metal chips
- Fit and forget - virtually indestructible one-piece, stainless-steel housing
- Impervious, corrosion resistant, vibration and shock proof
- Pressure resistant up to 80 bar (1160 psi)



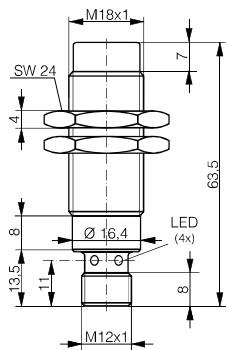


NEW CHIP-IMMUNE SENSORS

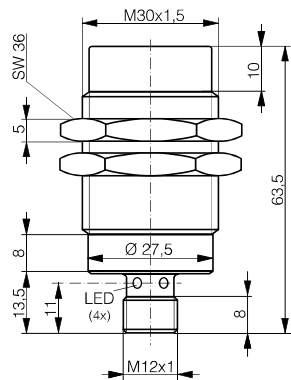
| PART REFERENCE | ART. NO. | Ø | SN | MOUNTING | CONNECTION | OUTPUT |
|-------------------|-------------|-----|----|----------------|------------|--------|
| DW-AS-713-M12-967 | 320-420-712 | M12 | 3 | Non-embeddable | M12 4-pin | PNP NO |
| DW-AS-713-M18-967 | 320-420-713 | M18 | 5 | Non-embeddable | M12 4-pin | PNP NO |
| DW-AS-713-M30-967 | 320-420-690 | M30 | 12 | Non-embeddable | M12 4-pin | PNP NO |



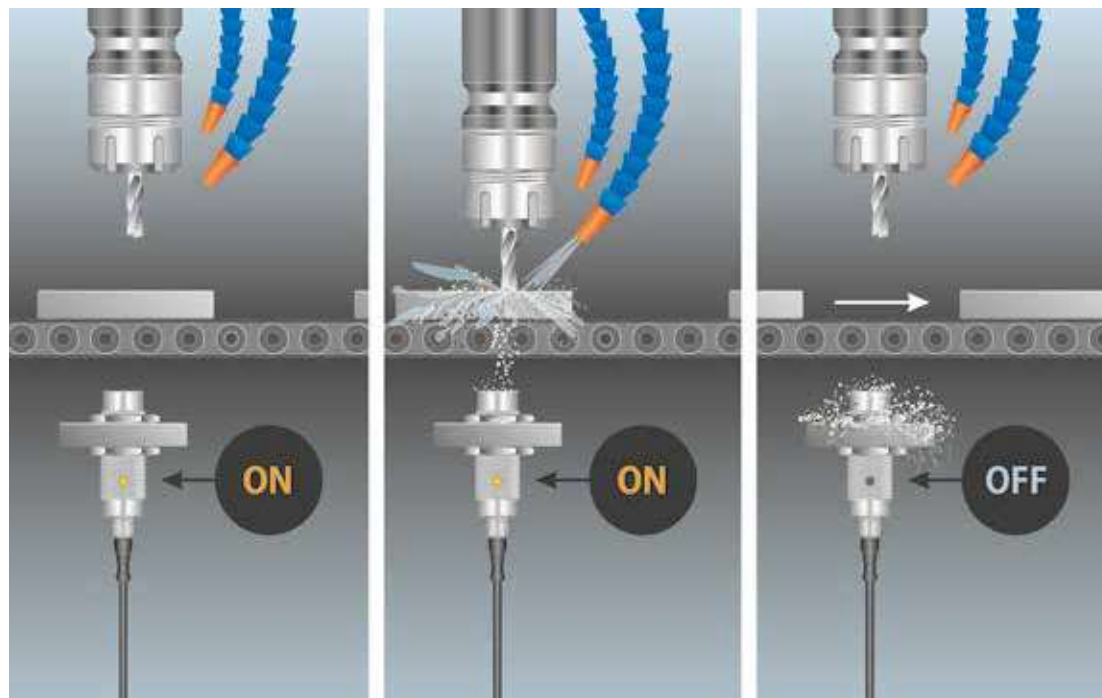
DW-AS-713-M12-967



DW-AS-713-M18-967



DW-AS-713-M30-967



An inductive sensor checks the presence of a metal conveyor tray during an in-line machining process, in which metal chips and lubrication fluid flow onto the sensing face. Despite the presence of many metal chips on the sensor, switching remains reliable without the need for cleaning.

