

Reflectors with maximum material resistance

Waldkirch, November 2008 – Chemical- and detergent-resistant reflectors for use in production and filling plants for food and beverages are now available for photoelectric switches with enclosure ratings up to IP69k. Their material resistance has been comprehensively tested by the TÜV Rhineland as well as inspected and confirmed in laboratory tests by detergent producer ECOLAB.

Steam, water, acids and alkalis – it's not just the photoelectric switches in the food and beverages sector that have to be very rugged, but also their reflectors. SICK has developed the reflector types PL10F CHEM, PL20 CHEM and P250 CHEM especially for the harshest operating conditions. Their material resistance has been comprehensively tested by the TÜV Rhineland and confirmed in Test Certificate No. 620/434628. Neither H₂O₂, nor acids, alkalis, alcohols, chlorinated hydrocarbons and many other materials can damage them. Tests with ECOLAB detergents, which also caused no impairment or property changes, came to the same result. The reflectors are not only highly resistant, but also highly applicable – because they can withstand temperatures of up to 100°C.