



# Product Description

## Performance Starters

Premium-quality glow switches range for igniting conventional electromagnetic fluorescent lamps

### Benefits

- Premium quality ensures trouble-free operation; extremely low early replacements reduce maintenance costs
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- Safe end-of-life behaviour prevents safety issues
- Low maintenance costs through extremely low early replacement levels
- Redesigned canister top with a special notch; easy to install and replace with a screwdriver or with improved grip reducing installation time and cost
- Secure, safe and fast lamp ignition according to IEC 155 international standard
- Flame-retardant components for additional security
- The world's only starters with no radioactive material inside the glow switch while maintaining high quality performance; patented technology avoids hazardous substances in the manufacturing and recycling phases
- Easily distinguished from counterfeit starters by specific shape with narrowed top, embossed range information and indented pins (patent-protected design)
- Flame-retardant components for additional safety
- UV-resistant canister protects against unsafe conditions
- Redesigned canister top for easy installation; either with a screwdriver or through improved grip

## Performance Starters

### Features

- Premium reliability with less than 100 early failures per million products (<100 ppm)
- 2-pin ignitor in plastic (flame-retardant polycarbonate) canister with radio-interference suppression capacitor
- Premium reliability with 12000 swiches guaranteed
- S2 starters for ignition of low-voltage fluorescent TL lamps and series/single application in high voltage for lower wattages (4 - 22W)
- Secure, safe and fast ignition on both inductive (L) and capacitive (LC) lighting systems acc. to IEC 60155
- S10 starters for ignition of high-voltage fluorescent TL lamps for higher wattages (4 - 65W)
- Controlled preheating of the lamp filaments and sufficient pulse voltage for longer lamp life (>25% compared with cheap starters)
- Premium reliability with less than 100 early failures per million (<100 p.p.m.)
- Canister shape designed for a better grip while installing and replacing the starter
- Reliable starting behaviour and lifetime
- Blue insulation plate to identify these lead-free and radioactive-free environment-friendly starters
- Do not contain hazardous radioactive isotopes for activating the glow switch
- Special printing for visual distinction between S2 and S10
- The shape of the canister is designed for a better grip while installing and replacing the starter

### Application

- Ignition of fluorescent lamps of all brands with conventional electromagnetic ballasts using TL-D (T8), TL (T12), TL mini and PL-L lamps
- Used in conventional electromagnetic fluorescent lamp systems
- S2 starters are suitable for 110/130 V 4-22 W single applications, 220/240 V 4-6-8-15-18-22 W single applications and 220/240 V 4-22 W series applications. It is recommended for 220/240 V 18 W single applications for optimal performance
- S2 starters for LV applications and low-wattage HV applications (4 - 22W), both single and in series
- S10 starters are suitable for 220/240 V 13, 4-65 W single applications. It is required for 220/240 V 13 W single applications
- S10 starters for HV applications (4 - 65W) in single application
- S10 starters recommended for 18W HV single application
- Starter replacement recommended together with fluorescent lamp replacement

