Başkent Organize Sanayi Bölgesi
19. Cadde No: 62 Malıköy 06909
Sincan / ANKARA TÜRKİYE
optima@optima.tc
www.optima.tc
+90 312 815 15 00
+90 312 815 12 98

GENERAL VIEW OF SG-HDCR

GENERAL DESCRIPTION

Optima SG-HDCR series crash-tested automatic sliding gates are designed for high traffic, military, commercial and industrial applications. If there is a threat of vehicle attack in addition to the control of vehicle access in high-security applications, crash-tested sliding gates are the unique solution and the most secure system. Even though the attack is from high tonnage vehicles with high speeds, the vehicle can’t keep on moving because of the damage given to the vehicle with its durable structure. This product is crash tested and successfully achieved a performance classification of test rate PAS68 V/7500(N3)/80/90:0.0.

STEEL STRUCTURE

The mainframe of the sliding gate consists of box beams. Top of the sliding gate can be serrated. Middle side of the gate is strengthened with a steel bar which is located horizontally. The front and backside of the gate are closed completely with sheet metal with a "STOP" optional sign in the middle. Gray paint is applied completely to the sliding gate. The buttresses are manufactured from heavy-duty beams. There are polyamide rollers which keep the door vertical and in line. Polyamide rollers reduce noise and vibration during operation. These rollers can be adjusted horizontally to keep the sliding gate exactly vertical. Buttresses are fixed to the ground by steel anchors and basement plate.

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POWER UNIT AND CONTROL ELECTRONICS

With the help of Optima Programmable Logical Controller any type of speed control like a slow start, fast linear motion and slow stop can be achieved. This facility brings increased vehicle passing capacity without losing any degree of security. The cabinet is manufactured from thick sheet metal, galvanized, electrostatically epoxy powder coated. ESGO 4000 sliding gate operator is controlled by Optima PLC Controller. Every kind of radio control receiver cards, safety photocell, open/close buttons, loop detectors, flashing light, etc. can be integrated into the system easily. Closing the sliding gate can be utilized by the automatic time delay facility, as well as inputs from other sources. Time delay facility can be adjusted between any time interval.

STANDARD ACCESSORIES

- Flashing light.
- Galvanized steel rack.
- Safety photocell.
- Industrial type keyboard.

OPTIONAL ACCESSORIES

- Red/green traffic lights with a steel pole.
- Dual vehicle safety loop detector.
- Safety edge sensor.
- Stand and casing for safety photocell.
- Anti-climb wire mesh.
- Hot-dip galvanizing.
- Radio receiver & antenna.
- Radio transmitter.
- “STOP” sign, aluminum plate with mounting pole.
- Uninterruptable power supply (UPS).
- SCADA or any control system: It is possible to change and check the position of bollard with a touch screen control panel, mobile devices (ios-android), computer, etc.

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ENVIRONMENTAL CONDITIONS AND POWER REQUIREMENT

- Between -15°C and +65°C, 95% non-condensing humidity; 220-240 VAC, mono phase, 50-60Hz. (or 380V, three phase, 50-60 Hz, 220V/440V/etc. optional by transformer).

MAIN BODY MEASUREMENTS