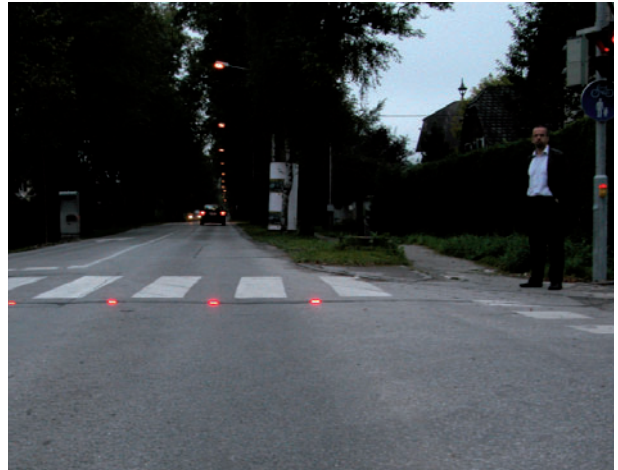


GIFAS Products for Streets and Tunnels

Traffic guidance system



Kerb markings in tunnels



Better visualization at zebra crossings

GIFAS-Optical guidance system ... for a safer traffic control

In the last few years **GIFAS-ELECTRIC GmbH** worked hard on the subject traffic guidance equipment. This led to a well engineered assortment of various systems, coping with the different requirements of the traffic. The objective of the development efforts was to provide optimum products for simple and fast installation with minimum maintenance.

Guiding equipments provide a significantly improved perception of the course of lanes on motorways and particularly in tunnels. The signal units contribute to road safety to a great extent, especially for gateways, bad light conditions, changes of weather and twilight.

These units also improve the perception at pedestrians crossings, at the access to roundabouts, train level crossings and access to traffic abatement areas at low visibility and darkness.



Marking of measures for traffic abatement



Lane marking for access roads and loading ramps

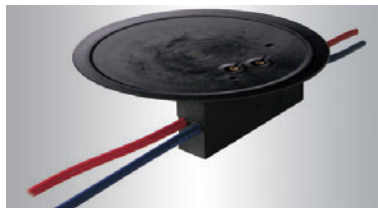
Detailed information upon request or on our home page: www.gifas.at

GIFAS Products for Streets and Tunnels

Traffic guidance system



BAST-konform



MarkLED®

- small, flat, elegant style
- clear housing of special plastic material
- outer surface additionally nano-coated (antistatic for high stain- and corrosion resistance)
- international protection: IP 68



FlatLED®

- underground system withstanding vehicles crossing
- absolutely even with carriageway level
- temperature resistant (-40°C)
- international protection: IP 68



SecuLED®

- easy to install due to two-part module
- free access to spring type terminals
- international protection: IP 67



Control System

- consisting of 3 components:
- power supply
 - control unit
 - program unit/remote control

Detailed information upon request or on our home page: www.gifas.at

GIFAS Products for Streets and Tunnels

All-rubber boxes



Vulcanized all-rubber junction box

for all purpose use:
from checking junction boxes, boxes for cameras to safety boxes
for emergency calls or fire alarm buttons



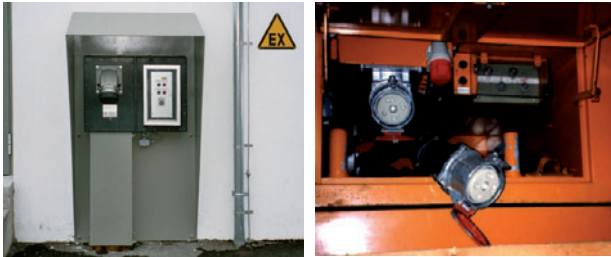
Features:

- mechanically resistant and vandalism-proof
- chemically resistant against exhaust fumes, defrosting agents, ...
- international protection up to IP 65
- weather, UV and ozone resistant
- Halogen free (in case of fire no toxic gases can be emitted)
- **no condensation water**



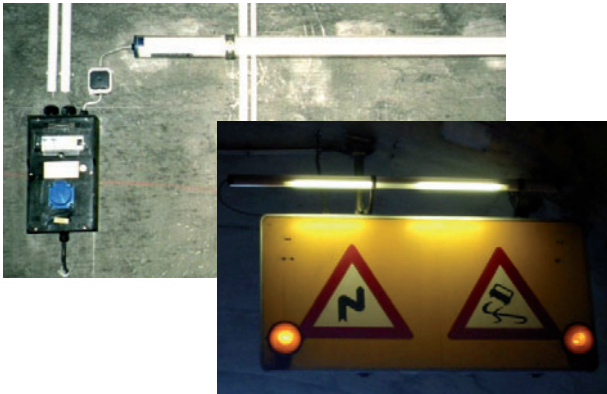
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GIFAS Tunnel Equipment



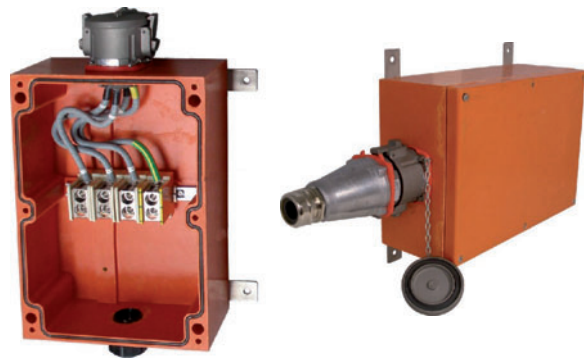
High current connectors for emergency generators

- butt style pressure contacts with metallic braid and spring enable easy connecting and disconnecting
- silver butt contact for optimum current transmission
- due to a special clamping system no burn-out of the contacts
- touch protection of live parts by rotary safety disk
- sturdy metal housing
- international protection IP 54 (by choice IP 66/67)



Protection tube lamp KORONA

- energy saving fluorescent lamp with dazzle-free light
- sturdy and solid construction
- large variety of wattages (W), lengths (mm) and voltages (V)
- electronic or conventional low loss series reactors built-in or mounted externally
- models in Acryl or Borosilicate glass
- resistant against chemical or mechanical influences
- dust and water tight
- international protection IP 67



High temperature resistant distribution boxes and power connection junction boxes model HT3625

according to regulations:

- **RVS 09.02.31 (RVS 9.261)**

Basics of ventilation systems

1. Alteration of January 25 2001 item 6

(RVS = Richtlinien und Vorschriften für den Straßenbau in Österreich)

- **ASTRA regulation 1301 item 8.3**

(ASTRA = Bundesamt für Straßen - die Schweizer Fachbehörde für die Straßeninfrastruktur und den individuellen Straßenverkehr)

Technical Data:

- especially developed for motor driven smoke and heat exhaust systems for tunnels
- rise in temperature up to 400° in 2 minutes
- retention of functions at 400° during 2 hours without loss of power supply
- max. voltage: 690 V
- max. amperage: 63 A
- number of poles: 3P+E
- international protection: IP55
- cable diameter: up to max. 70 sqmm

Steatit terminals up to max. 70 sqmm

Housing made of high heat resistant **Polyester resin** with mineral filling material

- **flame resistant, non combustible**
- **unbreakable**
- **Silicone and Halogen free**
- **protection category II (according to fittings)**
- **international protection: IP 65 (according to fittings)**
- 365 x 253 x 126 mm (W x H x D)
- colour: orange

stainless mounting adapters V4A

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