



Features	
Switching	Up to 950VDC
Output	1200V IGBT output with protection diode
Control input	Optimized 3000Vrms galvanic isolated IGBT driver 10 - 32VDC with input LED available
Applications	Transit systems, trains



# Solid State Relays

## Datasheet WG F High Voltage

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### Features

<b>Switching</b>	Up to 950VDC with internal overvoltage protection available
<b>Output</b>	IGBT output with protection diode
<b>Control input</b>	Optimized 3000Vrms galvanic isolated IGBT driver 10 - 32VDC with input LED available
<b>Applications</b>	Transit systems, trains

### Technical data

#### WG F 950 D 10

#### Input circuit

Control voltage range	10...32 VDC
Control current max.	30 mA @ 24V
Turn-off voltage min.	7 VDC

#### Output circuit

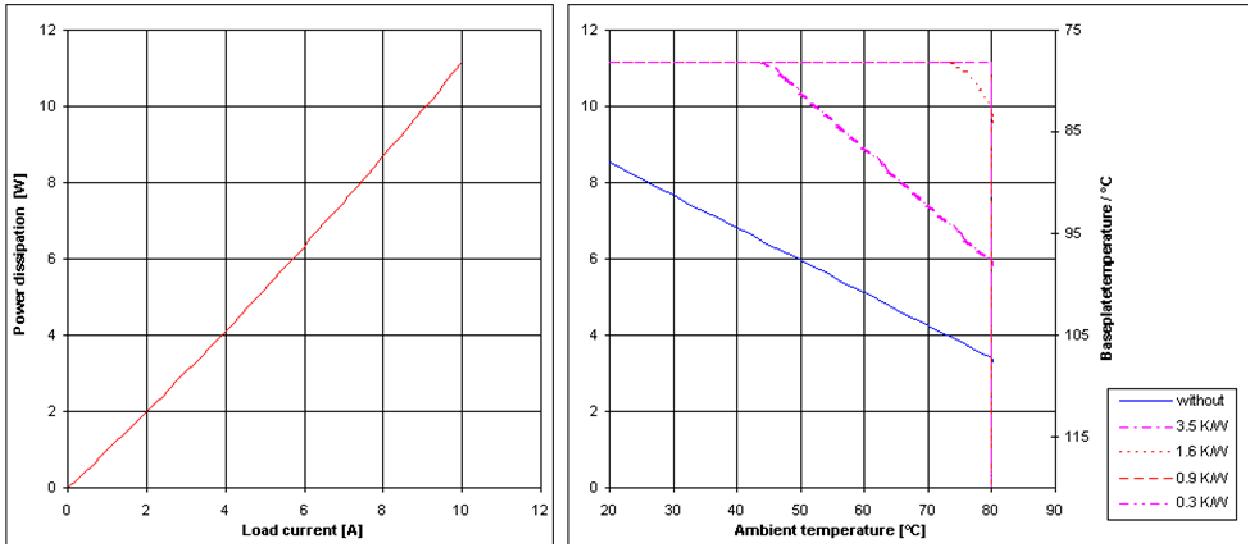
Load voltage range	2 ... 950V
Peak-off state voltage	1200V
Off-state leakage current	0.1 mA
Load current range	0 ... 10 A
Surge current 5 $\mu$ s	150 A
On-state voltage	1.1 V @ 4 A
Reverse surge current 10ms	100 A

#### General data

Turn-on time max.	200 $\mu$ s
Turn-off time max.	50 $\mu$ s
Max switch frequency	5 KHz
Isolation volt. between input/output	3000 Vrms
Isolation volt. between input-output/base	4000 Vrms
Isolation resistance	50 M $\Omega$
Operating temperature	-20 ... +80 $^{\circ}$ C

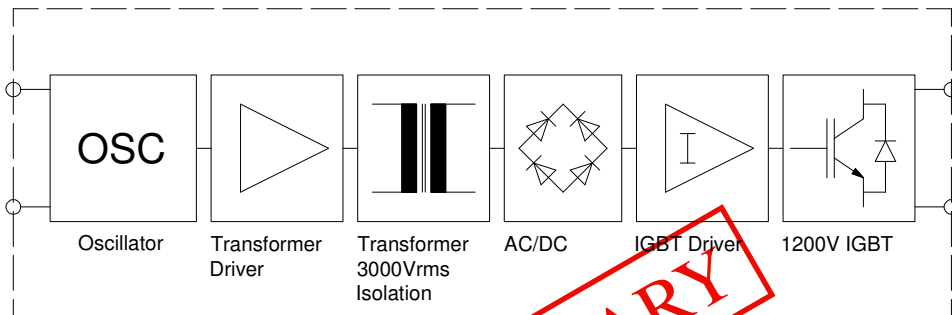
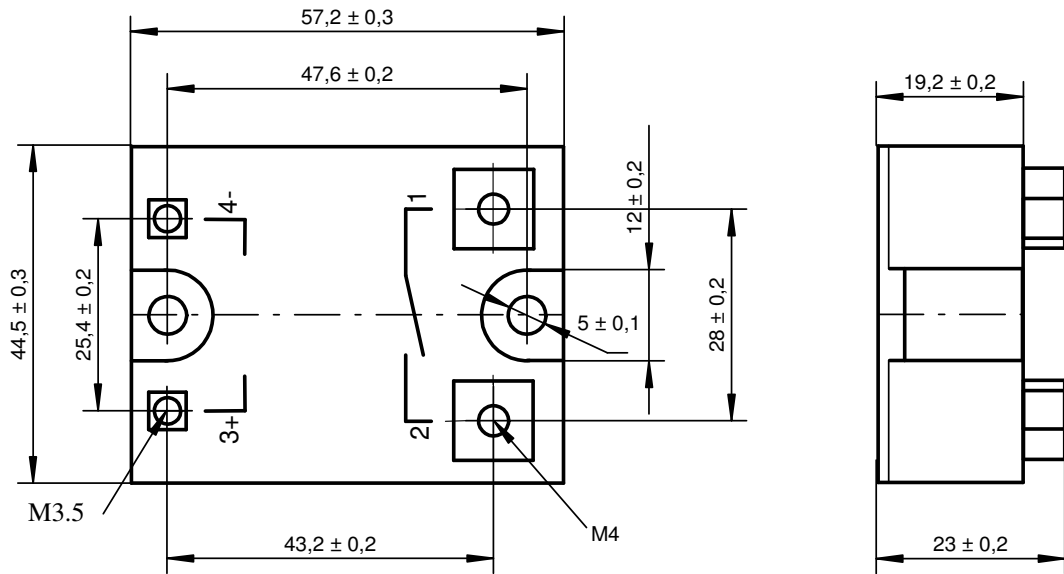
PRELIMINARY

### Derating-diagrams



**PRELIMINARY**

### Dimensions in mm & circuit diagram



PRELIMINARY

### Housing specification

Weight	Approx. 100 gr
Housing material	Glass filled polyester
Potting compound (optional)	UL recognized Epoxy
Base plate	Aluminium
Terminals	Input : M4-screws Output : M3,5-screws