



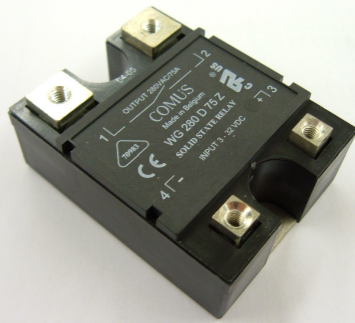
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Solid State Relays

Datasheet WG 280 D...Z

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Features

- Switching** Zero cross
- Output** Back to back SCR with internal snubber
- Input** DC with constant current control
- Applications** Resistive and inductive loads with $\cos\phi > 0.85$

Technical data

WG 280 D...	10 Z	25 Z	45 Z	50 Z
Input circuit				
Control voltage range	3...32 VDC			
Control current max.	12 mA			
Turn-off voltage min.	1 VDC			
Input resistance	constant current			
Output circuit				
Load voltage range	24...280 VAC			
Peak-off state voltage	600 V _{drm}			
Off-state leakage current	6 mA eff.	12 mA eff.		
Load current range	0,1...10 A	0,2...25 A	0,4...45 A	0,4...50 A
Surge current 1 half wave	110 A _{peak}	230 A _{peak}	500 A _{peak}	570 A _{peak}
I²t for fusing	60 A²s	260 A²s	1250 A²s	1620 A²s
On-state voltage	1,6 V _{peak}			
Off-state (static) dV/dt	500 V/µs			
Snubber	47 Ω / 47 nF	47 Ω / 100 nF		
General data				
Turn-on time max.	11 ms			
Turn-off time max.	11 ms			
Line frequency range	47...63 Hz			
Isolation volt. between input/output	4.000 V			
Isolation volt. between input-output/base	2.500 V			
Isolation resistance	50 MΩ			
Operation temperature	-20...+80 °C			
Recommended varistor	SIOV-S20 K230			
Approvals	UL, VDE			

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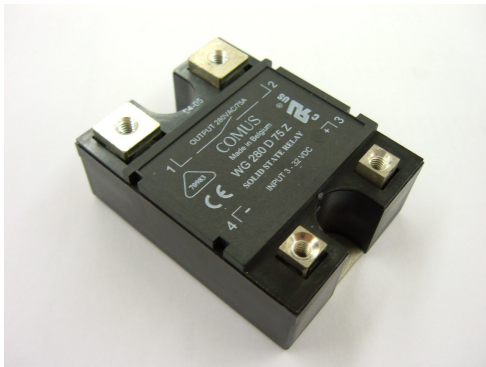
Technical data

WG 280 D...	75 Z		90 Z		110 Z		125 Z
Input circuit							
Control voltage range	3...32 VDC						
Control current max.	12 mA						
Turn-off voltage min.	1 VDC						
Input resistance	constant current						
Output circuit							
Load voltage range	24...280 VAC						
Peak-off state voltage	600 V _{drm}						
Off-state leakage current	12 mA eff.						
Load current range	0,4...75 A		0,4...90 A		0,4...110 A		0,4...125 A
Surge current 1 half wave	910 A _{peak}		1090 A _{peak}		1350 A _{peak}		1590 A _{peak}
I²t for fusing	4150 A²s		5980 A²s		9100 A²s		12650 A²s
On-state voltage	1,6 V _{peak}						
Off-state (static) dV/dt	500 V/µs						
Snubber	47 Ω / 100 nF						
General data							
Turn-on time max.	11 ms						
Turn-off time max.	11 ms						
Line frequency range	47...63 Hz						
Isolation volt. between input/output	4.000 V						
Isolation volt. between input-output/base	2.500 V						
Isolation resistance	50 MΩ						
Operation temperature	-20...+80 °C						
Recommended varistor	SIOV-S20 K230						
Approvals	UL, VDE						

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Features

Switching	Random
Output	Back to back SCR with internal snubber
Input	DC with constant current control
Applications	Inductive loads

Technical data

WG 280 D...	10 R		25 R		40 R		50 R
Input circuit							
Control voltage range	3...32 VDC						
Control current max.	12 mA						
Turn-off voltage min.	1 VDC						
Input resistance	constant current						
Output circuit							
Load voltage range	24...280 VAC						
Peak-off state voltage	600 V _{drm}						
Off-state leakage current	6 mA eff.		12 mA eff				
Load current range	0,1...10 A		0,2...25 A		0,4...40 A		0,4...50 A
Surge current 1 half wave	110 A _{peak}		230 A _{peak}		500 A _{peak}		570 A _{peak}
I²t for fusing	60 A²s		260 A²s		1250 A²s		1620 A²s
On-state voltage	1,6 V _{peak}						
Off-state (static) dV/dt	500 V/µs						
Snubber	47 Ω / 47 nF		47 Ω / 100 nF				
General data							
Turn-on time max.	0,1 ms						
Turn-off time max.	11 ms						
Line frequency range	47...63 Hz						
Isolation volt. between input/output	4.000 V						
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Approvals	UL, VDE						

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Datasheet WG 280 D...R

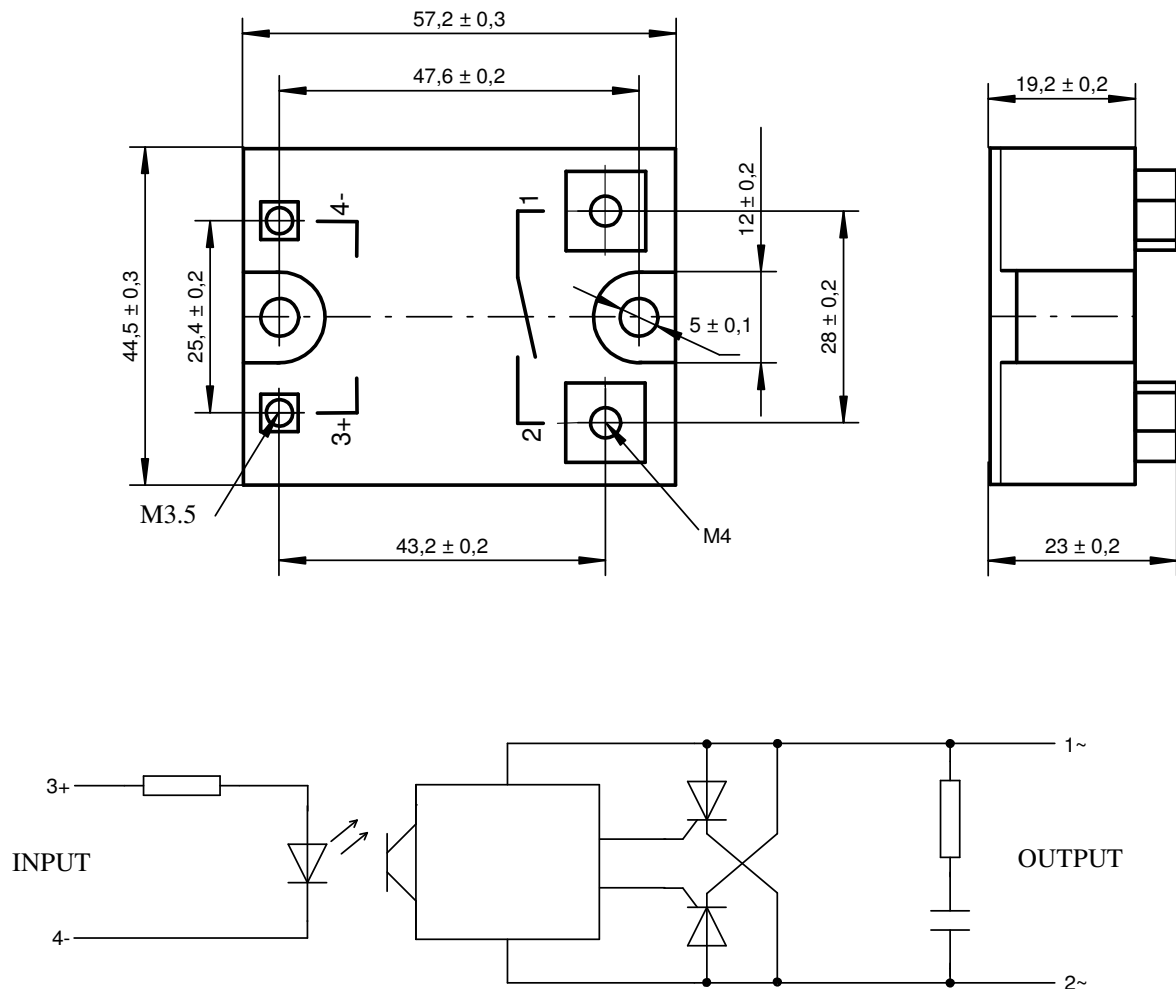
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Technical data

WG 280 D...	75 R		90 R		110 R		125 R
Input circuit							
Control voltage range	3...32 VDC						
Control current max.	12 mA						
Turn-off voltage min.	1 VDC						
Input resistance	constant current						
Output circuit							
Load voltage range	24...280 VAC						
Peak-off state voltage	600 V _{drm}						
Off-state leakage current	12 mA eff.						
Load current range	0,4...75 A		0,4...90 A		0,4...110 A		0,4...125 A
Surge current 1 half wave	910 A _{peak}		1090 A _{peak}		1350 A _{peak}		1590 A _{peak}
I²t for fusing	4150 A²s		5980 A²s		9100 A²s		12650 A²s
On-state voltage	1,6 V _{peak}						
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Snubber	47 Ω / 100 nF						
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Line frequency range	47...63 Hz						
Isolation volt. between input/output	4.000 V						
Isolation volt. between input-output/base	2.500 V						
Isolation resistance	50 MΩ						
Operation temperature	-20...+80 °C						
Recommended varistor	SIOV-S20 K230						
Approvals	UL, VDE						

Dimensions in mm & circuit diagram

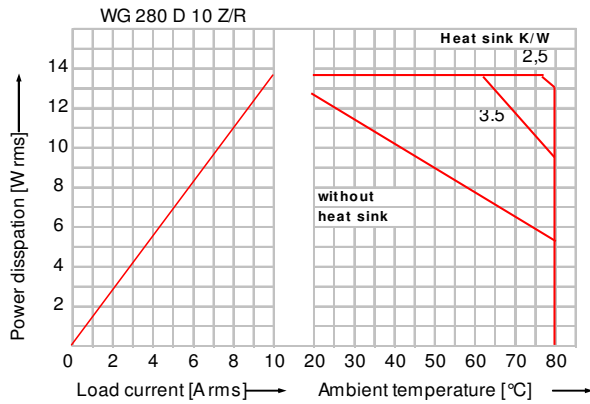


Housing specification

Weight	Approx. 80 gr unpotted , 100 gr potted (optional)
Housing material	Glass filled polyester
Potting compound (optional)	UL recognized Epoxy
Base plate	10 ... 45 A : Aluminium 50 ... 125A : Aluminium , nickel plated
Terminals	Input : M4-screws Output : M3,5-screws

Derating-diagrams

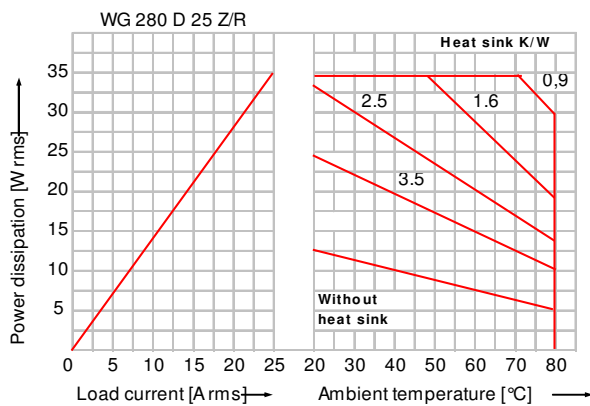
UL recognised components: suitable for a max. surrounding air temperature of 40°C.
For use at other ambient temperatures, check the derating diagrams.



Number of SSR per heatsink/
load current per SSR

Heat sink	1 SSR	2 SSR	3 SSR
WG K1/100	10 A	8 A	
WG K2/100	10 A	10 A	
WG K3/160	10 A	10 A	10 A
WG K4/160L	10 A	10 A	10 A
WG K5/80	10 A		

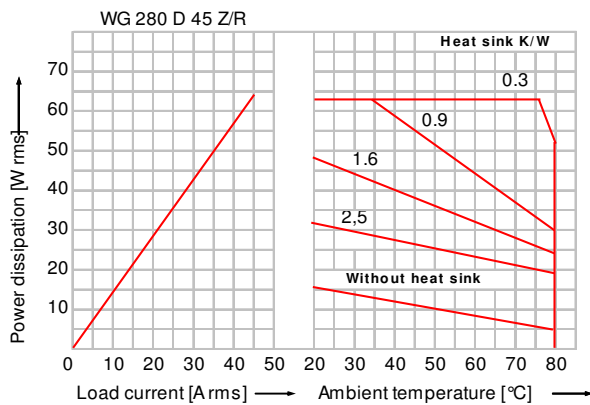
Values for 40°C enclosure-temperature and mounted with conduction paste between the SSR and the heat sink



Number of SSR per heatsink/
load current per SSR

Heat sink	1 SSR	2 SSR	3 SSR
WG K1/100	13 A	8 A	
WG K2/100	19 A	12 A	
WG K3/160	25 A	25 A	19 A
WG K4/160L	25 A	25 A	25 A
WG K5/80	24 A		

Values for 40°C enclosure-temperature and mounted with conduction paste between the SSR and the heat sink

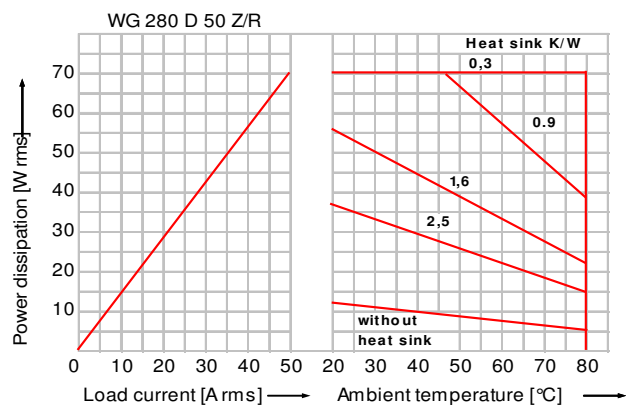


Number of SSR per heatsink/
load current per SSR

Heat sink	1 SSR	2 SSR	3 SSR
WG K1/100	13 A	8 A	
WG K2/100	19 A	12 A	
WG K3/160	42 A	26 A	19 A
WG K4/160L	45 A	45 A	40 A
WG K5/80	24 A		

Values for 40°C enclosure-temperature and mounted with conduction paste between the SSR and the heat sink

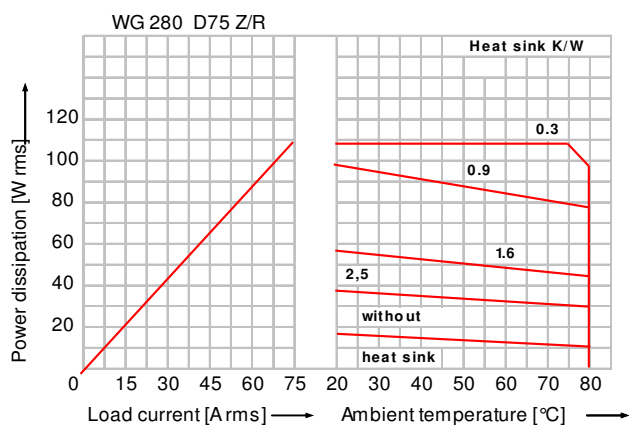
Derating-diagrams



Number of SSR per heatsink/
load current per SSR

Heat sink	1 SSR	2 SSR	3 SSR
WG K1/100	13 A	8 A	
WG K2/100	20 A	12 A	
WG K3/160	50 A	31 A	20 A
WG K4/160L	50 A	50 A	50 A
WG K5/80	25A		

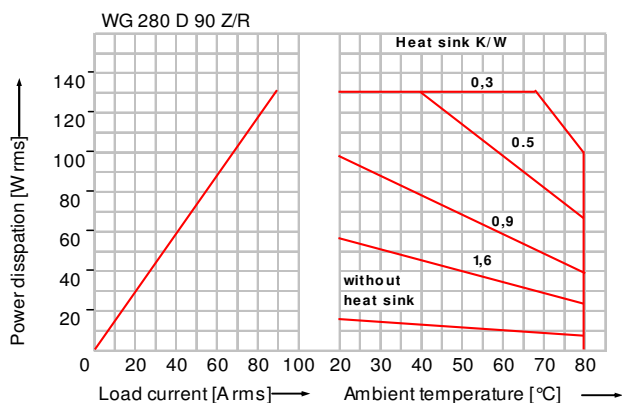
Values for 40°C enclosure-temperature and mounted with conduction paste between the SSR and the heat sink



Number of SSR per heatsink/
load current per SSR

Heat sink	1 SSR	2 SSR	3 SSR
WG K1/100	13 A	8 A	
WG K2/100	20 A	12 A	
WG K3/160	55 A	32 A	20 A
WG K4/160L	75 A	75 A	57 A
WG K5/80	25 A		

Values for 40°C enclosure-temperature and mounted with conduction paste between the SSR and the heat sink



Number of SSR per heatsink/
load current per SSR

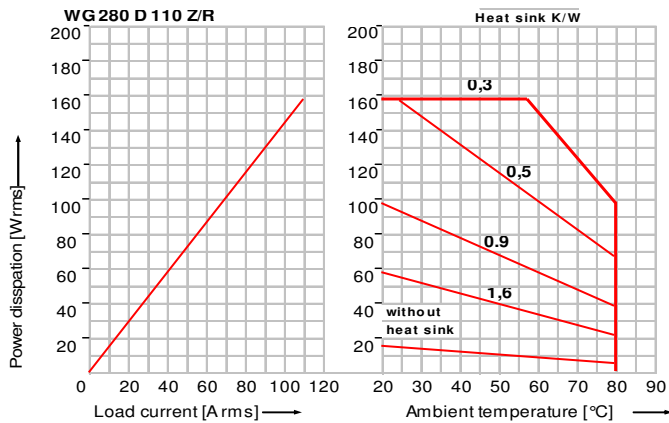
Heat sink	1 SSR	2 SSR	3 SSR
WG K1/100	13 A	8 A	
WG K2/100	20 A	12 A	
WG K3/160	55 A	32 A	20 A
WG K4/160L	90 A	90 A	57 A
WG K5/80	25 A		

Values for 40°C enclosure-temperature and mounted with conduction paste between the SSR and the heat sink

Solid State Relays

Datasheet WG 280 D

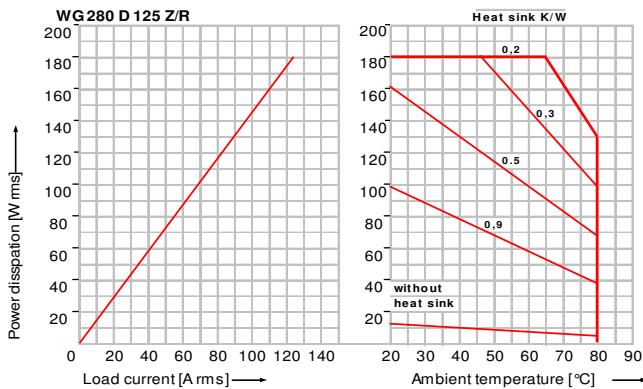
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Number of SSR per heatsink/
load current per SSR

Heat sink	1 SSR	2 SSR
WG K1/100	13 A	8 A
WG K2/100	21 A	12 A
WG K3/160	58 A	33 A
WG K4/160L	110 A	85 A
WG K5/80	34 A	

Values for 40°C enclosure-temperature and mounted with conduction paste between the SSR and the heat sink

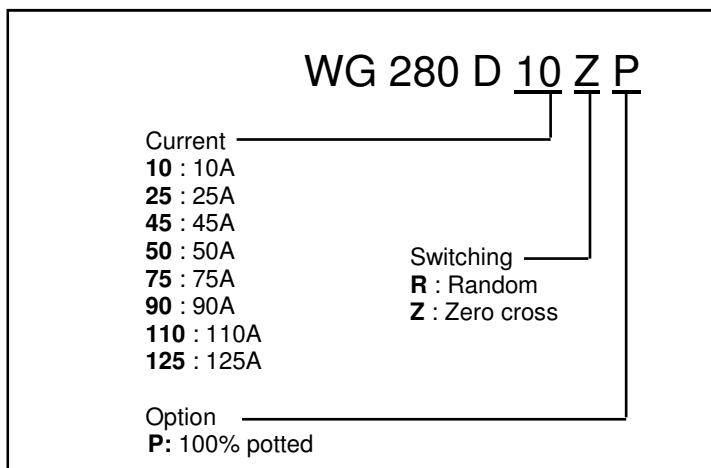


Number of SSR per heatsink/
load current per SSR

Heat sink	1 SSR	2 SSR
WG K1/100	13 A	8 A
WG K2/100	21 A	12 A
WG K3/160	58 A	33 A
WG K4/160L	125 A	85 A
WG K5/80	34 A	

Values for 40°C enclosure-temperature and mounted with conduction paste between the SSR and the heat sink

Ordering

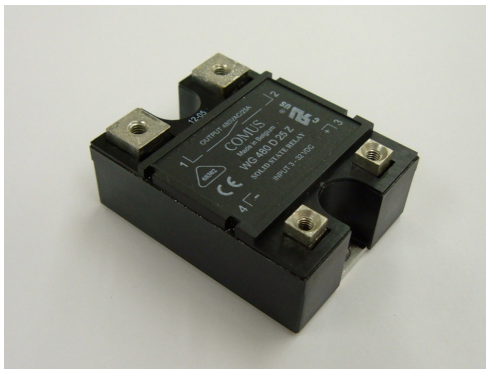


Description	Part Number
Protective case small	8440 5700 110
Thermal Conducting paste	8406 0180 020
Heat sink WG K1/100	5981 5701 100
Heat sink WG K2/100	5981 5701 110
Heat sink WG K3/160	5981 5701 370
Heat sink WG K4/160L	5981 5701 371
Heat sink WG K5/80	5981 5701 372
Mounting plate DIN rail	5981 5701 430

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Features

- Switching** Zero cross
- Output** Back to back SCR with internal snubber
- Input** DC with constant current control
- Applications** Resistive and inductive loads with $\cos\phi > 0.85$

Technical data

WG 480 D...	10 Z	25 Z	40 Z	50 Z
Input circuit				
Control voltage range	3...32 VDC			
Control current max.	22 mA			
Turn-off voltage min.	1 VDC			
Input resistance	constant current			
Output circuit				
Load voltage range	24...530 VAC			
Peak-off state voltage	1200 V _{drm} (integrated overvoltage protection effective above 1000V)			
Off-state leakage current	10 mA eff.			
Load current range	0,1...10 A	0,2...25 A	0,4...40 A	0,4...50 A
Surge current 1 half wave	110 A _{peak}	230 A _{peak}	500 A _{peak}	570 A _{peak}
I²t for fusing	60 A²s	260 A²s	1250 A²s	1620 A²s
On-state voltage	1,6 V _{peak}			
Off-state (static) dV/dt	500 V/μs			
Snubber	47 Ω / 22 nF			
General data				
Turn-on time max.	11 ms			
Turn-off time max.	11 ms			
Line frequency range	47...63 Hz			
Isolation volt. between input/output	4.000 V			
Isolation volt. between input-output/base	2.500 V			
Isolation resistance	50 MΩ			
Operation temperature	-20...+80 °C			
Recommended varistor	SIOV-S20 K420			
Approvals	UL, VDE			

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Technical data					
WG 480 D...	75 Z	90 Z	110 Z	125 Z	
Input circuit					
Control voltage range	3...32 VDC				
Control current max.	22 mA				
Turn-off voltage min.	1 VDC				
Input resistance	constant current				
Output circuit					
Load voltage range	24...530 VAC				
Peak-off state voltage	1200 V _{drm} (integrated overvoltage protection effective above 1000V)				
Off-state leakage current	10 mA eff.				
Load current range	0,4...75 A	0,4...90 A	0,4...110 A	0,4...125 A	
Surge current 1 half wave	910 A _{peak}	1090 A _{peak}	1350 A _{peak}	1590 A _{peak}	
I²t for fusing	4150 A²s	5980 A²s	9100 A²s	12650 A²s	
On-state voltage	1,6 V _{peak}				
Off-state (static) dV/dt	500 V/µs				
Snubber	47 Ω / 22 nF				
General data					
Turn-on time max.	11 ms				
Turn-off time max.	11 ms				
Line frequency range	47...63 Hz				
Isolation volt. between input/output	4.000 V				
Isolation volt. between input-output/base	2.500 V				
Isolation resistance	50 MΩ				
Operation temperature	-20...+80 °C				
Recommended varistor	SIOV-S20 K420				
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Features

Switching Zero cross

Output Back to back SCR with internal snubber

Input DC with constant current control

Applications
Inductive loads

Technical data

WG 480 D...	10 R	25 R	40 R	50 R
Input circuit				
Control voltage range	3...32 VDC			
Control current max.	22 mA			
Turn-off voltage min.	1 VDC			
Input resistance	constant current			
Output circuit				
Load voltage range	48...530 VAC			
Peak-off state voltage	1200 V _{drm} (integrated overvoltage protection effective above 1000V)			
Off-state leakage current	10 mA eff.			
Load current range	0,1...10 A	0,2...25 A	0,4...40 A	0,4...50 A
Surge current 1 half wave	110 A _{peak}	230 A _{peak}	500 A _{peak}	570 A _{peak}
I²t for fusing	60 A²s	260 A²s	1250 A²s	1620 A²s
On-state voltage	1,6 V _{peak}			
Off-state (static) dV/dt	500 V/µs			
Snubber	47 Ω / 22 nF			
General data				
Turn-on time max.	0,1 ms			
Turn-off time max.	11 ms			
Line frequency range	47...63 Hz			
Isolation volt. between input/output	4.000 V			
Isolation volt. between input-output/base	2.500 V			
Isolation resistance	50 MΩ			
Operation temperature	-20...+80 °C			
Recommended varistor	SIOV-S20 K420			
Approvals	UL, VDE			

Solid State Relays

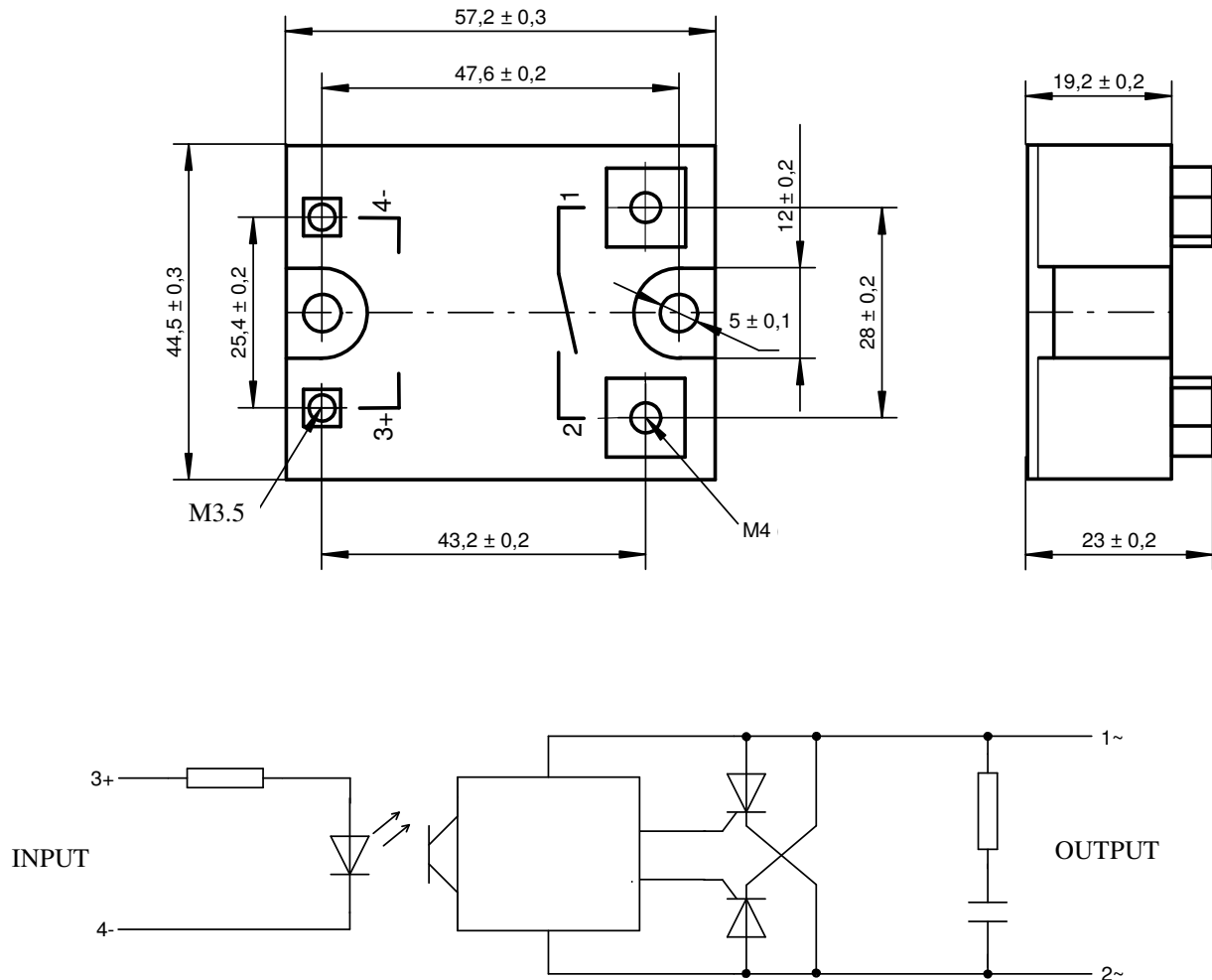
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WG 480 D...	75 R	90 R	110 R	125 R	
Input circuit					
Control voltage range	3...32 VDC				
Control current max.	22 mA				
Turn-off voltage min.	1 VDC				
Input resistance	constant current				
Output circuit					
Load voltage range	48...530 VAC				
Peak-off state voltage	1200 V _{drm} (integrated overvoltage protection effective above 1000V)				
Off-state leakage current	10 mA eff.				
Load current range	0,4...75 A	0,4...90 A	0,4...110 A	0,4...125 A	
Surge current 1 half wave	910 A _{peak}	1090 A _{peak}	1350 A _{peak}	1590 A _{peak}	
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On-state voltage	1,6 V _{peak}				
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Snubber	47 Ω / 22 nF				
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Operation temperature	-20...+80 °C				
Recommended varistor	SIOV-S20 K420				
Approvals	UL, VDE				

Dimensions in mm & circuit diagram

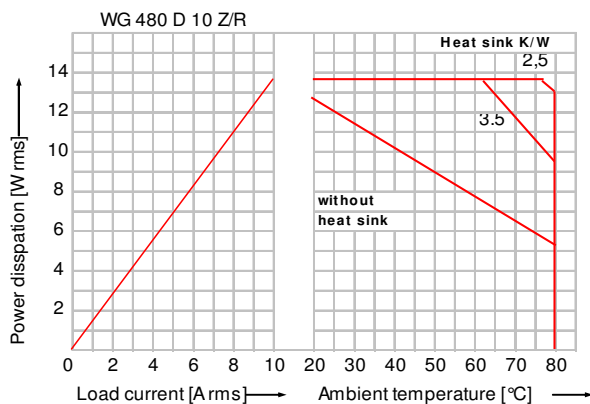


Housing specification

Weight	Approx. 80 gr unpotted , 100 gr potted (optional)
Housing material	Glass filled polyester
Potting compound (optional)	UL recognized Epoxy
Base plate	10 ... 45 A : Aluminium 50 ... 125A : Aluminium , nickel plated
Terminals	Input : M3,5-screws Output : M4-screws

Derating-diagrams

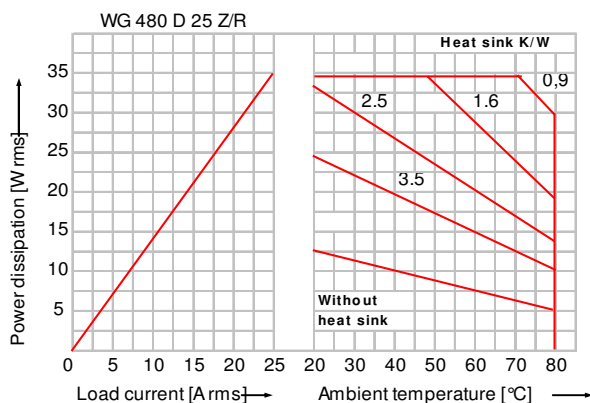
UL recognised components: suitable for a max. surrounding air temperature of 40°C.
For use at other ambient temperatures, check the derating diagrams.



Number of SSR per heatsink/
load current per SSR

Heat sink	1 SSR	2 SSR	3 SSR
WG K1/100	10 A	8 A	
WG K2/100	10 A	10 A	
WG K3/160	10 A	10 A	10 A
WG K4/160L	10 A	10 A	10 A
WG K5/80	10 A		

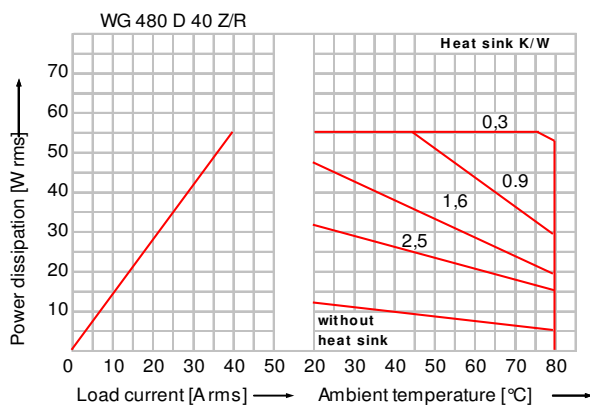
Values for 40°C enclosure-temperature and mounted with conduction paste between the SSR and the heat sink



Number of SSR per heatsink/
load current per SSR

Heat sink	1 SSR	2 SSR	3 SSR
WG K1/100	13 A	8 A	
WG K2/100	19 A	12 A	
WG K3/160	25 A	25 A	19 A
WG K4/160L	25 A	25 A	25 A
WG K5/80	24 A		

Values for 40°C enclosure-temperature and mounted with conduction paste between the SSR and the heat sink

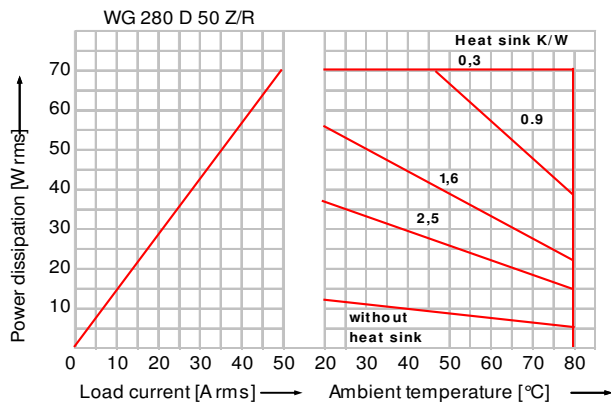


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load current per SSR

Heat sink	1 SSR	2 SSR	3 SSR
WG K1/100	13 A	8 A	
WG K2/100	19 A	12 A	
WG K3/160	42 A	26 A	19 A
WG K4/160L	45 A	45 A	40 A
WG K5/80	24 A		

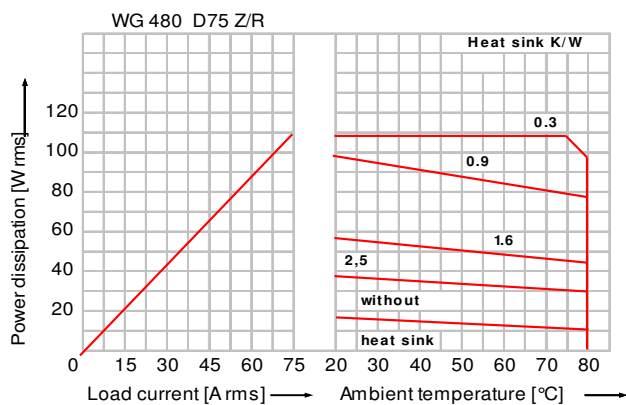
Values for 40°C enclosure-temperature and mounted with conduction paste between the SSR and the heat sink

Derating-diagrams



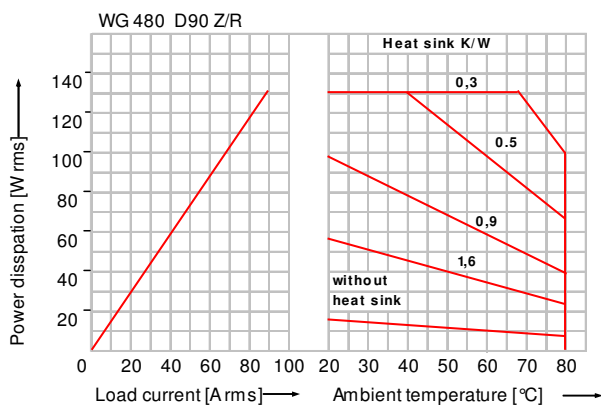
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Heat sink	1 SSR	2 SSR	3 SSR
WG K1/100	13 A	8 A	
WG K2/100	20 A	12 A	
WG K3/160	50 A	31 A	20 A
WG K4/160L	50 A	50 A	50 A
WG K5/80	25 A		

Values for 40°C enclosure-temperature and mounted with conduction paste between the SSR and the heat sink



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WG K3/160	55 A	32 A	20 A
WG K4/160L	75 A	75 A	57 A
WG K5/80	25 A		

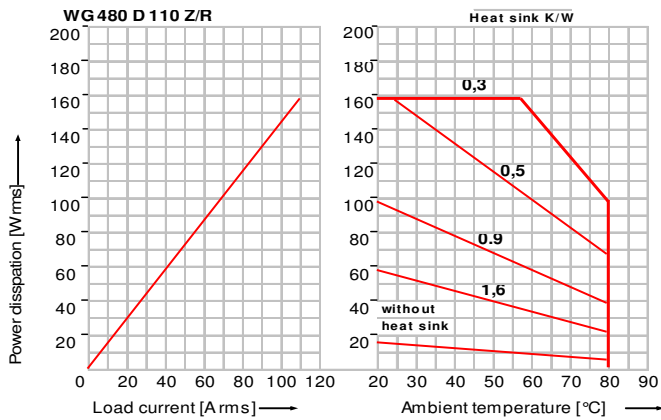
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WG K3/160	55 A	32 A	20 A
WG K4/160L	90 A	90 A	57 A
WG K5/80	25 A		

Values for 40°C enclosure-temperature and mounted with conduction paste between the SSR and the heat sink

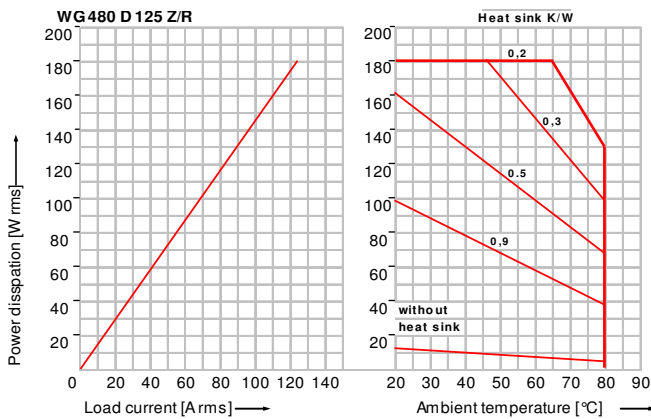
Derating-Diagrams



Number of SSR per heatsink/
load current per SSR

Heat sink	1 SSR	2 SSR
WG K1/100	13 A	8 A
WG K2/100	21 A	12 A
WG K3/160	58 A	30 A
WG K4/160L	110 A	85 A
WG K5/80	34 A	

Values for 40 °C enclosure-temperature and mounted with conduction paste between the SSR and the heat sink

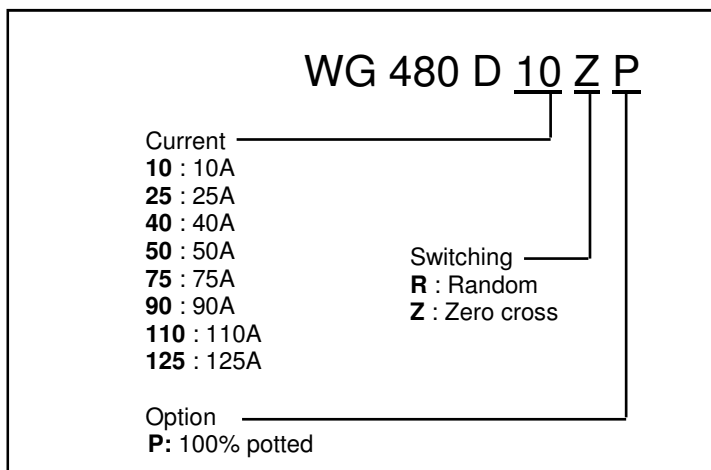


Number of SSR per heatsink/
load current per SSR

Heat sink	1 SSR	2 SSR
WG K1/100	13 A	8 A
WG K2/100	21 A	12 A
WG K3/160	58 A	33 A
WG K4/160L	125 A	85 A
WG K5/80	34 A	

Values for 40 °C enclosure-temperature and mounted with conduction paste between the SSR and the heat sink

Ordering



Description	Part Number
Protective case small	8440 5700 110
Thermal Conducting paste	8406 0180 020
Heat sink WG K1/100	5981 5701 100
Heat sink WG K2/100	5981 5701 110
Heat sink WG K3/160	5981 5701 370
Heat sink WG K4/160L	5981 5701 371
Heat sink WG K5/80	5981 5701 372
Mounting plate DIN rail	5981 5701 430

Solid State Relays

Datasheet WG 660 D...Z

Comus International Bvba
Overhaamlaan 40
3700 Tongeren, Belgium
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Email: info@comus.be
www.comus.be



Features

Switching Zero cross

Output Back to back SCR with internal snubber

Input DC with constant current control

Applications
Resistive and inductive loads with $\cos\phi > 0.85$

Technical data

WG 660 D...	10 Z	25 Z	40 Z	50 Z
Input circuit				
Control voltage range	3...32 VDC			
Control current max.	22 mA			
Turn-off voltage min.	1 VDC			
Input resistance	constant current			
Output circuit				
Load voltage range	24...660 VAC			
Peak-off state voltage	1600 V _{drm} (integrated overvoltage protection effective above 1200V)			
Off-state leakage current	10 mA eff.			
Load current range	0,1...10 A	0,2...25 A	0,4...40 A	0,4...50 A
Surge current 1 half wave	110 A _{peak}	230 A _{peak}	500 A _{peak}	570 A _{peak}
I²t for fusing	60 A²s	260 A²s	1250 A²s	1620 A²s
On-state voltage	1,6 V _{peak}			
Off-state (static) dV/dt	500 V/µs			
Snubber	47 Ω / 5 nF			
General data				
Turn-on time max.	11 ms			
Turn-off time max.	11 ms			
Line frequency range	47...63 Hz			
Isolation volt. between input/output	4.000 V			
Isolation volt. between input-output/base	2.500 V			
Isolation resistance	50 MΩ			
Operation temperature	-20...+80 °C			
Recommended varistor	SIOV-S20 K625			
Approvals	UL, VDE			

Technical data					
WG 660 D...	75 Z	90 Z	110 Z	125 Z	
Input circuit					
Control voltage range	3...32 VDC				
Control current max.	22 mA				
Turn-off voltage min.	1 VDC				
Input resistance	constant current				
Output circuit					
Load voltage range	24...660 VAC				
Peak-off state voltage	1600 V _{drm} (integrated overvoltage protection effective above 1200V)				
Off-state leakage current	10 mA eff.				
Load current range	0,4...75 A	0,4...90 A	0,4...110 A	0,4...125 A	
Surge current 1 half wave	910 A _{peak}	1090 A _{peak}	1350 A _{peak}	1590 A _{peak}	
I²t for fusing	4150 A²s	5980 A²s	9100 A²s	12650 A²s	
On-state voltage	1,6 V _{peak}				
Off-state (static) dV/dt	500 V/µs				
Snubber	47 Ω / 5 nF				
General data					
Turn-on time max.	11 ms				
Turn-off time max.	11 ms				
Line frequency range	47...63 Hz				
Isolation volt. between input/output	4.000 V				
Isolation volt. between input-output/base	2.500 V				
Isolation resistance	50 MΩ				
Operation temperature	-20...+80 °C				
Recommended varistor	SIOV-S20 K625				
Approvals	UL, VDE				

Solid State Relays

Datasheet WG 660 D...R

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Features

Switching	Zero cross
Output	Back to back SCR with internal snubber
Input	DC with constant current control
Applications	Inductive loads

Technical data

WG 660 D...	10 R	25 R	40 R	50 R
Input circuit				
Control voltage range	3...32 VDC			
Control current max.	22 mA			
Turn-off voltage min.	1 VDC			
Input resistance	constant current			
Output circuit				
Load voltage range	48...660 VAC			
Peak-off state voltage	1600 V _{drm} (integrated overvoltage protection effective above 1200V)			
Off-state leakage current	10 mA eff.			
Load current range	0,1...10 A	0,2...25 A	0,4...40 A	0,4...50 A
Surge current 1 half wave	110 A _{peak}	230 A _{peak}	500 A _{peak}	570 A _{peak}
I²t for fusing	60 A²s	260 A²s	1250 A²s	1620 A²s
On-state voltage	1,6 V _{peak}			
Off-state (static) dV/dt	500 V/µs			
Snubber	47 Ω / 5 nF			
General data				
Turn-on time max.	0,1 ms			
Turn-off time max.	11 ms			
Line frequency range	47...63 Hz			
Isolation volt. between input/output	4.000 V			
Isolation volt. between input-output/base	2.500 V			
Isolation resistance	50 MΩ			
Operation temperature	-20...+80 °C			
Recommended varistor	SIOV-S20 K625			
Approvals	UL, VDE			

Solid State Relays

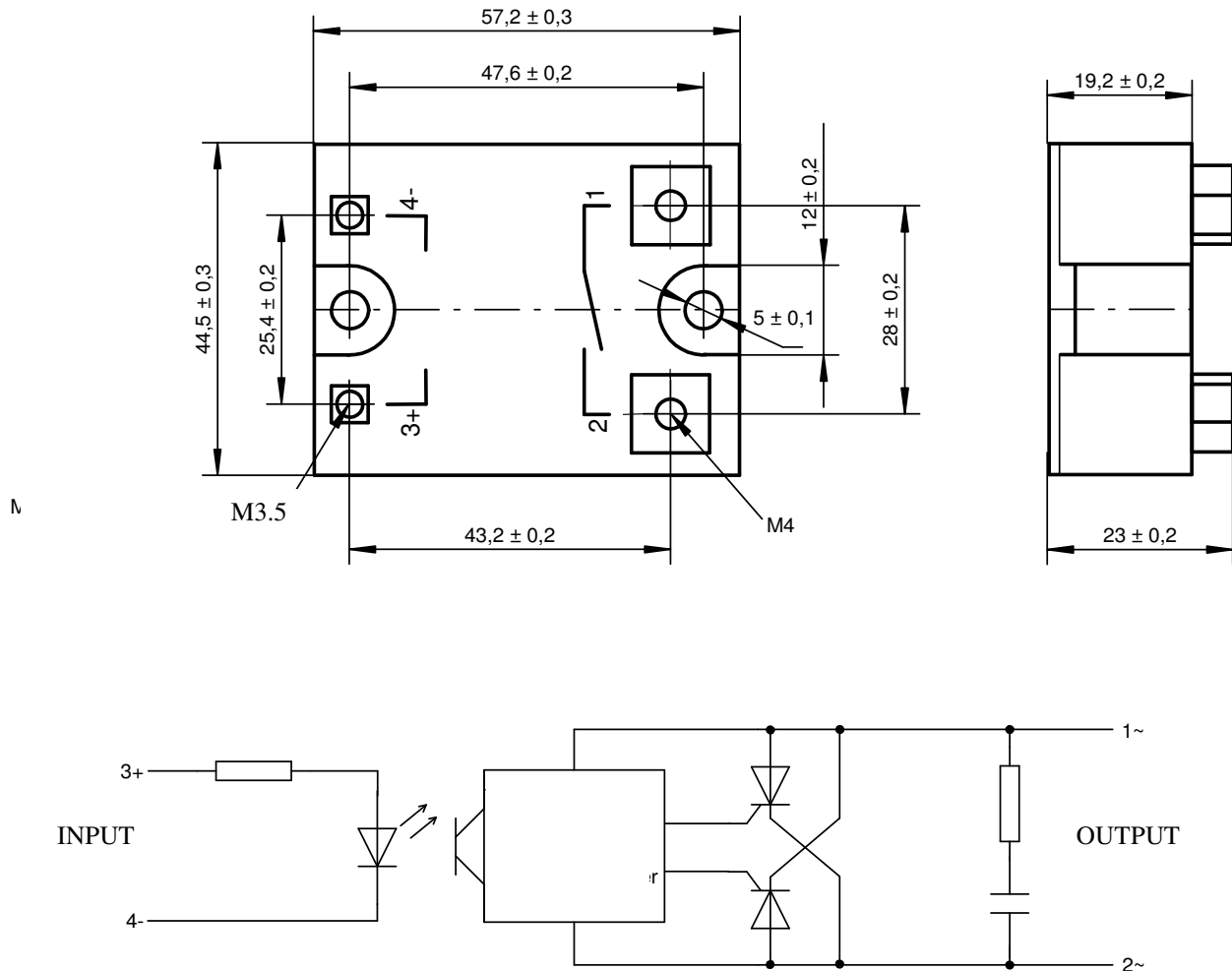
Datasheet WG 660 D...R

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Technical data					
WG 660 D...	75 R	90 R	110 R	125 R	
Input circuit					
Control voltage range	3...32 VDC				
Control current max.	22 mA				
Turn-off voltage min.	1 VDC				
Input resistance	constant current				
Output circuit					
Load voltage range	48...660 VAC				
Peak-off state voltage	1600 V _{drm} (integrated overvoltage protection effective above 1200V)				
Off-state leakage current	10 mA eff.				
Load current range	0,4...75 A	0,4...90 A	0,4...110 A	0,4...125 A	
Surge current 1 half wave	910 A _{peak}	1090 A _{peak}	1350 A _{peak}	1590 A _{peak}	
I²t for fusing	4150 A²s	5980 A²s	9100 A²s	12650 A²s	
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Isolation resistance	50 MΩ				
Operation temperature	-20...+80 °C				
Recommended varistor	SIOV-S20 K625				
Approvals	UL, VDE				

Dimensions in mm & circuit diagram

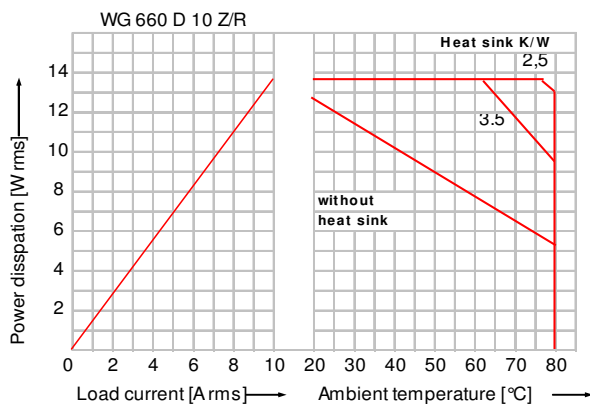


Housing specification

Weight	Approx. 80 gr unpotted , 100 gr potted (optional)
Housing material	Glass filled polyester
Potting compound (optional)	UL recognized Epoxy
Base plate	10 ... 45 A : Aluminium 50 ... 125A : Aluminium , nickel plated
Terminals	Input : M3,5-screws Output : M4-screws

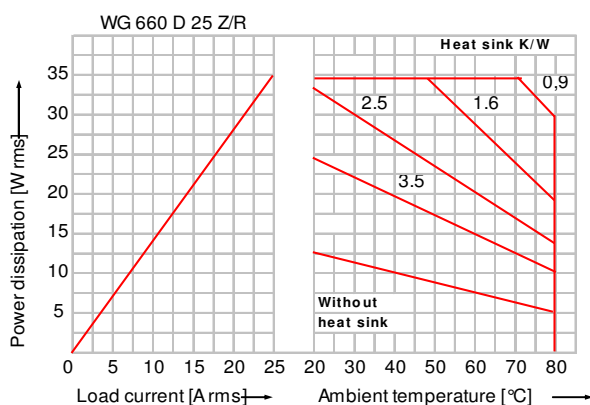
Derating-diagrams

UL recognised components: suitable for a max. surrounding air temperature of 40°C.
For use at other ambient temperatures, check the derating diagrams.



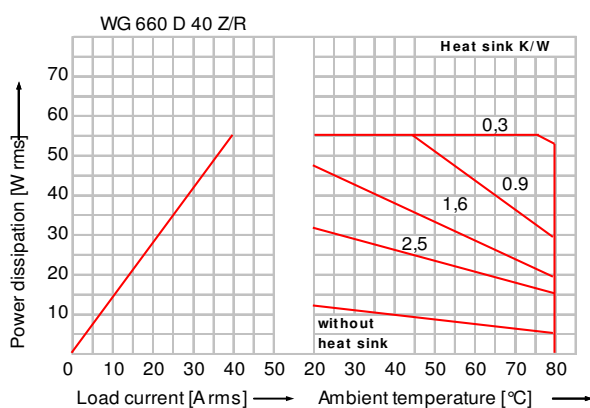
Number of SSR per heatsink/ load current per SSR			
Heat sink	1 SSR	2 SSR	3 SSR
WG K1/100	10 A	8 A	
WG K2/100	10 A	10 A	
WG K3/160	10 A	10 A	10 A
WG K4/160L	10 A	10 A	10 A
WG K5/80	10 A		

Values for 40°C enclosure-temperature and mounted with conduction paste between the SSR and the heat sink



Number of SSR per heatsink/ load current per SSR			
Heat sink	1 SSR	2 SSR	3 SSR
WG K1/100	13 A	8 A	
WG K2/100	19 A	12 A	
WG K3/160	25 A	25 A	19 A
WG K4/160L	25 A	25 A	25 A
WG K5/80	24 A		

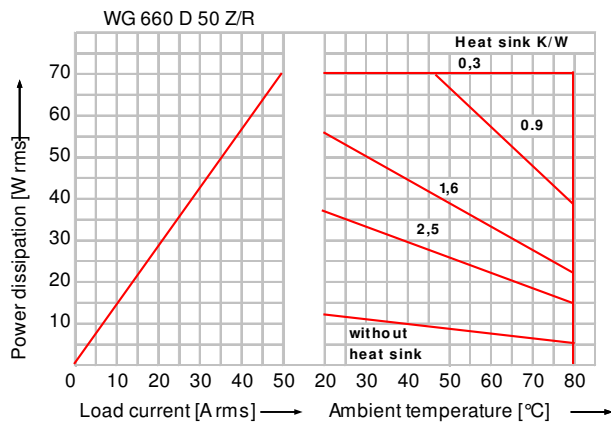
Values for 40°C enclosure-temperature and mounted with conduction paste between the SSR and the heat sink



Number of SSR per heatsink/ load current per SSR			
Heat sink	1 SSR	2 SSR	3 SSR
WG K1/100	13 A	8 A	
WG K2/100	19 A	12 A	
WG K3/160	42 A	26 A	19 A
WG K4/160L	45 A	45 A	40 A
WG K5/80	24 A		

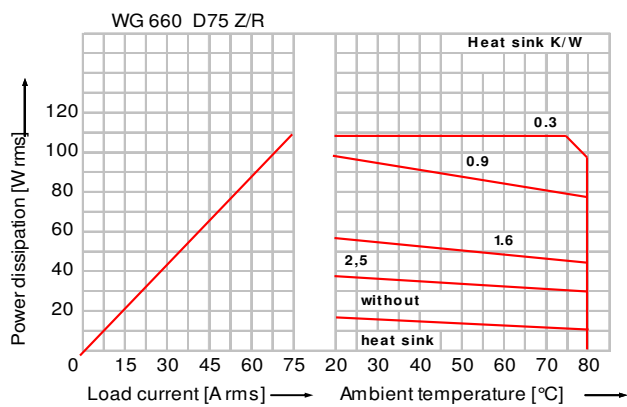
Values for 40°C enclosure-temperature and mounted with conduction paste between the SSR and the heat sink

Derating-diagrams



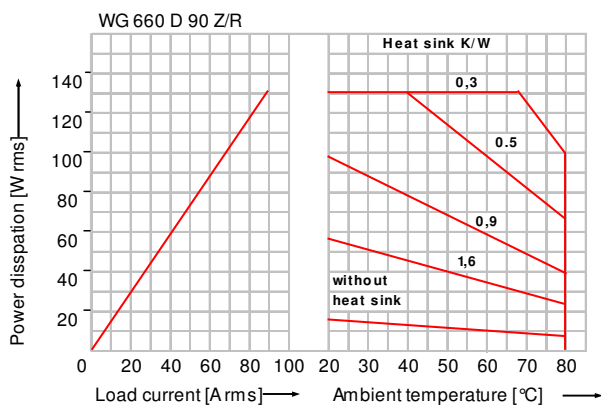
Number of SSR per heatsink/ load current per SSR			
Heat sink	1 SSR	2 SSR	3 SSR
WG K1/100	13 A	8 A	
WG K2/100	20 A	12 A	
WG K3/160	50 A	31 A	20 A
WG K4/160L	50 A	50 A	50 A
WG K5/80	25 A		

Values for 40°C enclosure-temperature and mounted with conduction paste between the SSR and the heat sink



Number of SSR per heatsink/ load current per SSR			
Heat sink	1 SSR	2 SSR	3 SSR
WG K1/100	13 A	8 A	
WG K2/100	20 A	12 A	
WG K3/160	55 A	32 A	20 A
WG K4/160L	75 A	75 A	57 A
WG K5/80	25 A		

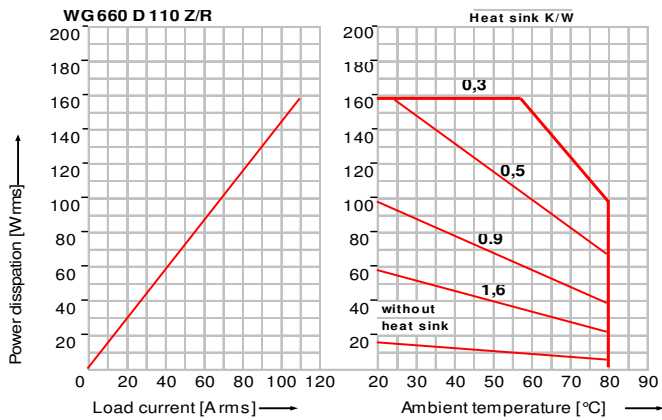
Values for 40°C enclosure-temperature and mounted with conduction paste between the SSR and the heat sink



Number of SSR per heatsink/ load current per SSR			
Heat sink	1 SSR	2 SSR	3 SSR
WG K1/100	13 A	8 A	
WG K2/100	20 A	12 A	
WG K3/160	55 A	32 A	20 A
WG K4/160L	90 A	90 A	57 A
WG K5/80	25 A		

Values for 40°C enclosure-temperature and mounted with conduction paste between the SSR and the heat sink

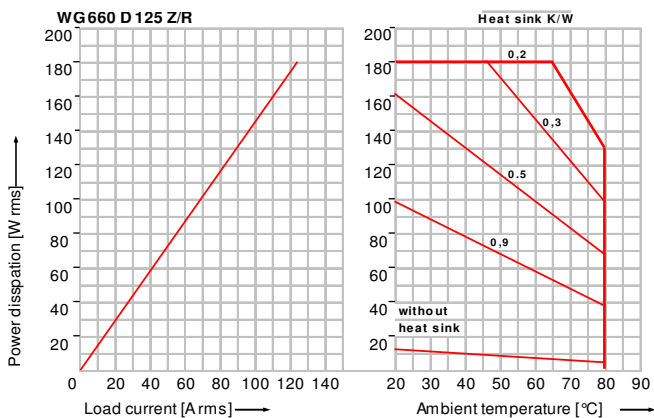
Derating-diagrams



Number of SSR per heatsink/
load current per SSR

Heat sink	1 SSR	2 SSR
WG K1/100	13 A	8 A
WG K2/100	21 A	12 A
WG K3/160	58 A	33 A
WG K4/160L	110 A	85 A
WG K5/80	34 A	

Values for 40 °C enclosure-temperature and mounted with Conduction paste between the SSR and the heat sink

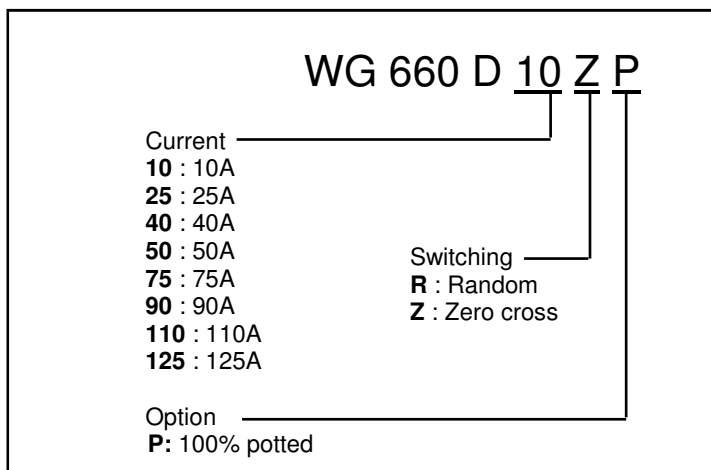


Number of SSR per heatsink/
load current per SSR

Heat sink	1 SSR	2 SSR
WG K1/100	13 A	8 A
WG K2/100	21 A	12 A
WG K3/160	58 A	33 A
WG K4/160L	125 A	85 A
WG K5/80	34 A	

Values for 40 °C enclosure-temperature and mounted with Conduction paste between the SSR and the heat sink

Ordering



Description	Part Number
Protective case small	8440 5700 110
Thermal conducting paste	8406 0180 020
Heat sink WG K1/100	5981 5701 100
Heat sink WG K2/100	5981 5701 110
Heat sink WG K3/160	5981 5701 370
Heat sink WG K4/160L	5981 5701 371
Heat sink WG K5/80	5981 5701 372
Mounting plate DIN rail	5981 5701 430