

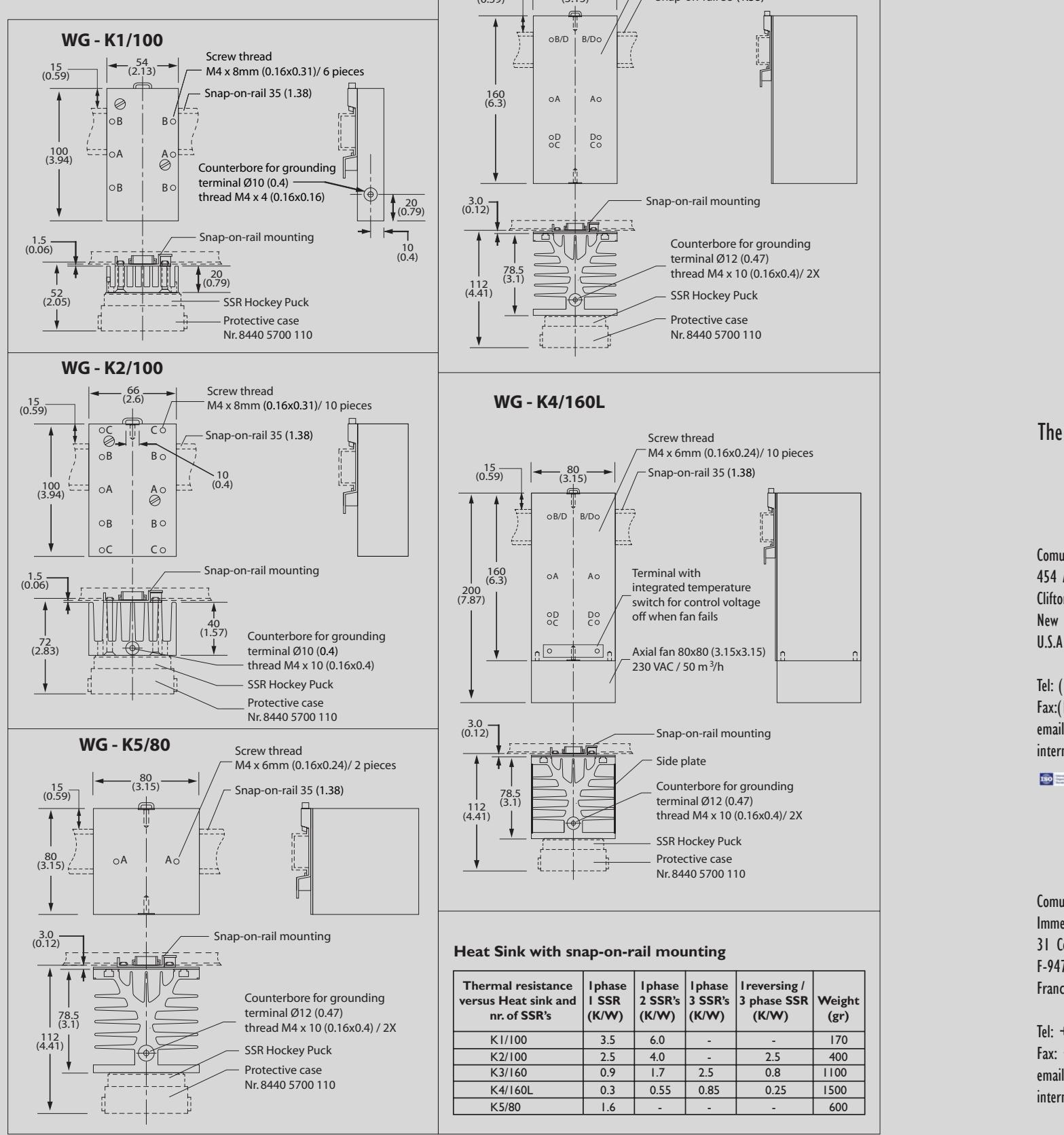
SOLID STATE RELAYS

RoHS Compliant

AC TYPES

	TYPE	WG A0	WG A3	WG A4	WG A8 6D	WG A8 8D	WG A8 10D	WG A8 6 05 PC	WG A8 6 05 LC	WG A8 6 10 LC
Output	Load Current	A rms	10 25 45	10 25 45	2	3 5	5		5	
	Surge Current	Apeak	110 230 500	110 230 500	100	100	120		100	
	I _t for fusing	A ² s	60 260 1250	60 260 1250	50	50	72	72	50	
	Off-State Leakage current max.	mAeff	10	10	2	3 5	5		8	
	Load Voltage range	V rms	WG A0 12Dxx : 48 - 480 WG A0 16Dxx : 48 - 660	WG A3 12D : 24(Z)/48(R) - 480 WG A3 16D : 24(Z)/48(R) - 660	(Z) 24 - 280 (R) 24 - 280	(Z) 24 - 280 (Z) 24 - 280 (R) 24 - 280 (R) 48 - 280	24 - 420	24 - 480	140 - 280	
	Peak off-state Voltage	V drm	1200 1600	1200 1600	600	600	800	1000	600	
	On-state Voltage	V peak	1.5	1.5	1.5	1.5	1.5	1.5	1.5	
	Off-state (static) dv/dt min.	V / μ s	1000	1000	500	500	500	500	500	
	Snubber	Ohms ; nF	47 ; 10	47 ; 10	100 ; 10	47 ; 33	47 ; 10	-	-	
	Output	THYRISTOR	THYRISTOR	TRIAC		TRIAC		TRIAC		
Input	Supply Voltage	Vdc	-	-	-	3 - 32	5 - 24			
	Supply Current	mA	-	-	-	1	20			
	Control Voltage range	Vdc	3 - 32	3 - 32	3 - 32	0.6 - 40	0 - 5	0 - 10		
	Control Current max.	mA	30 (with LED)	25	14	14	22	0 - 5	1	1
	Turn-off Voltage min.	Vdc	1	1	1	1	-	-	-	
	Input resistance	Ohm	Constant Current	Constant Current	Constant Current	-	10 Kohm			
	Resolution	-	-	-	-	Analogue	64 steps			
	Linearisation	-	-	-	-	None	By microprocessor			
	Turn-on time max.	ms	6 (at 24Vdc)	11 (Z) - 0.1 (R)	11	11 (Z) - 0.1 (R)	Controllable			
	Turn-off time max.	ms	11	11	11	11	11			
General Data	Interlocking time	ms	40 - 80	-	-	-	-			
	Line frequency range	Hz	47 - 63	47 - 63	47 - 63	47 - 63	47 - 63			
	Isolation between input / output	V rms	4000	4000	4000	4000	4000			
	Isolation between in-output / base	V rms	2500	2500	-	-	-			
	Isolation resistance	Mohm	50	50	50	50	50	50	50	
	Operating Temperature	°C	-20 +80	-20 +80	-20 +80	-20 +80	-20 +80	-20 +80	-20 +80	
	Zero cross switching	-	WG A3 xxD xx Z	WG A8 6D 0x Z	WG A8 8D 05 Z	WG A8 12D 05 Z	Phase Control	Linear Control		
	Random switching	Always Random	WG A3 xxD xx R	WG A8 6D 0x R	WG A8 8D 05 R	WG A8 12D 05 R				
	Heatsink I SSR 40°C	WG K1/100	-	-	-	-				
	WG K2/100	8A 8A 8A 6A 6A 6A	WG K3/160	10A 22A 24A 10A 16A 17A	WG K4/160L	10A 25A 45A 10A 25A 42A	WG K5/80	-	-	-
Characteristics of Solid State Relays	WG K1/100	-	-	-	-	-				
	WG K2/100	8A 8A 8A 6A 6A 6A	WG K3/160	10A 22A 24A 10A 16A 17A	WG K4/160L	10A 25A 45A 10A 25A 42A	WG K5/80	-	-	-
	WG K1/100	10A 14A 16A 10A 18A 18A	WG K2/100	10A 17A 20A 10A 23A 23A	WG K3/160	10A 25A 40A 50A 66A 74A	WG K4/160L	10A 25A 40A 50A 66A 74A	WG K5/80	10A 24A 27A 10A 25A 34A
	WG K1/100	10A 18A 20A 10A 23A 23A	WG K2/100	10A 23A 26A 31A 33A 33A	WG K3/160	10A 25A 40A 50A 66A 74A	WG K4/160L	10A 25A 40A 50A 66A 74A	WG K5/80	10A 22A 27A 10A 25A 34A
	WG K1/100	10A 18A 20A 10A 23A 23A	WG K2/100	10A 23A 26A 31A 33A 33A	WG K3/160	10A 25A 40A 50A 66A 74A	WG K4/160L	10A 25A 40A 50A 66A 74A	WG K5/80	10A 24A 27A 10A 25A 34A
	WG K1/100	10A 18A 20A 10A 23A 23A	WG K2/100	10A 23A 26A 31A 33A 33A	WG K3/160	10A 25A 40A 50A 66A 74A	WG K4/160L	10A 25A 40A 50A 66A 74A	WG K5/80	10A 24A 27A 10A 25A 34A
	WG K1/100	10A 18A 20A 10A 23A 23A	WG K2/100	10A 23A 26A 31A 33A 33A	WG K3/160	10A 25A 40A 50A 66A 74A	WG K4/160L	10A 25A 40A 50A 66A 74A	WG K5/80	10A 24A 27A 10A 25A 34A
	WG K1/100	10A 18A 20A 10A 23A 23A	WG K2/100	10A 23A 26A 31A 33A 33A	WG K3/160	10A 25A 40A 50A 66A 74A	WG K4/160L	10A 25A 40A 50A 66A 74A	WG K5/80	10A 24A 27A 10A 25A 34A
	WG K1/100	10A 18A 20A 10A 23A 23A	WG K2/100	10A 23A 26A 31A 33A 33A	WG K3/160	10A 25A 40A 50A 66A 74A	WG K4/160L	10A 25A 40A 50A 66A 74A	WG K5/80	10A 24A 27A 10A 25A 34A
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	WG K1/100	10A 18A 20A 10A 23A 23A	WG K2/100	10A 23A 26A 31A 33A 33A	WG K3/160	10A 25A 40A 50A 66A 74A	WG K4/160L	10A 25A 40A 50A 66A 74A	WG K5/80	10A 24A 27A 10A 25A 34A
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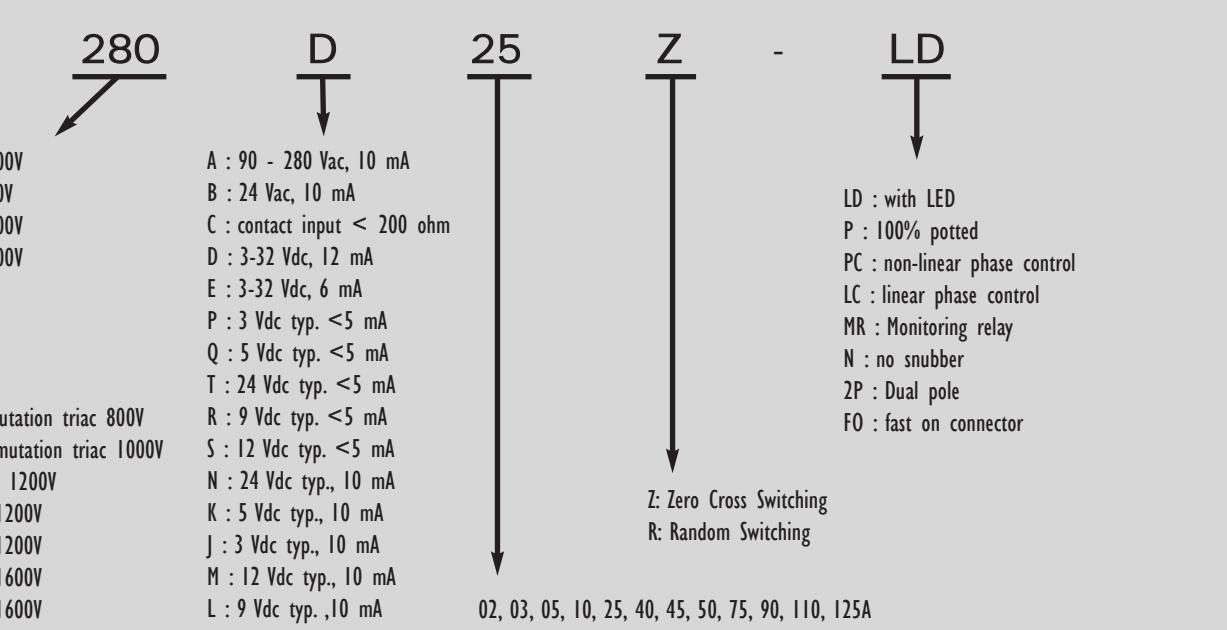
HEATSINK DIMENSIONS



Thermal pads are available for Hockey Puck and Maxi Puck SSR's, having a thermal resistance of around 0.05 K/W @ 50psi. Excellent alternative to replace the thermal grease.

dimensions are nominal, in millimetres unless otherwise stated. If further information is required, individual datasheets are available on our websites, and on CD. part of the group's policy of continued product improvement, specifications may change without notice. Our sales office will be pleased to help you with the latest information on our products.

TERMINOLOGY AND PARTNUMBER SYSTEM



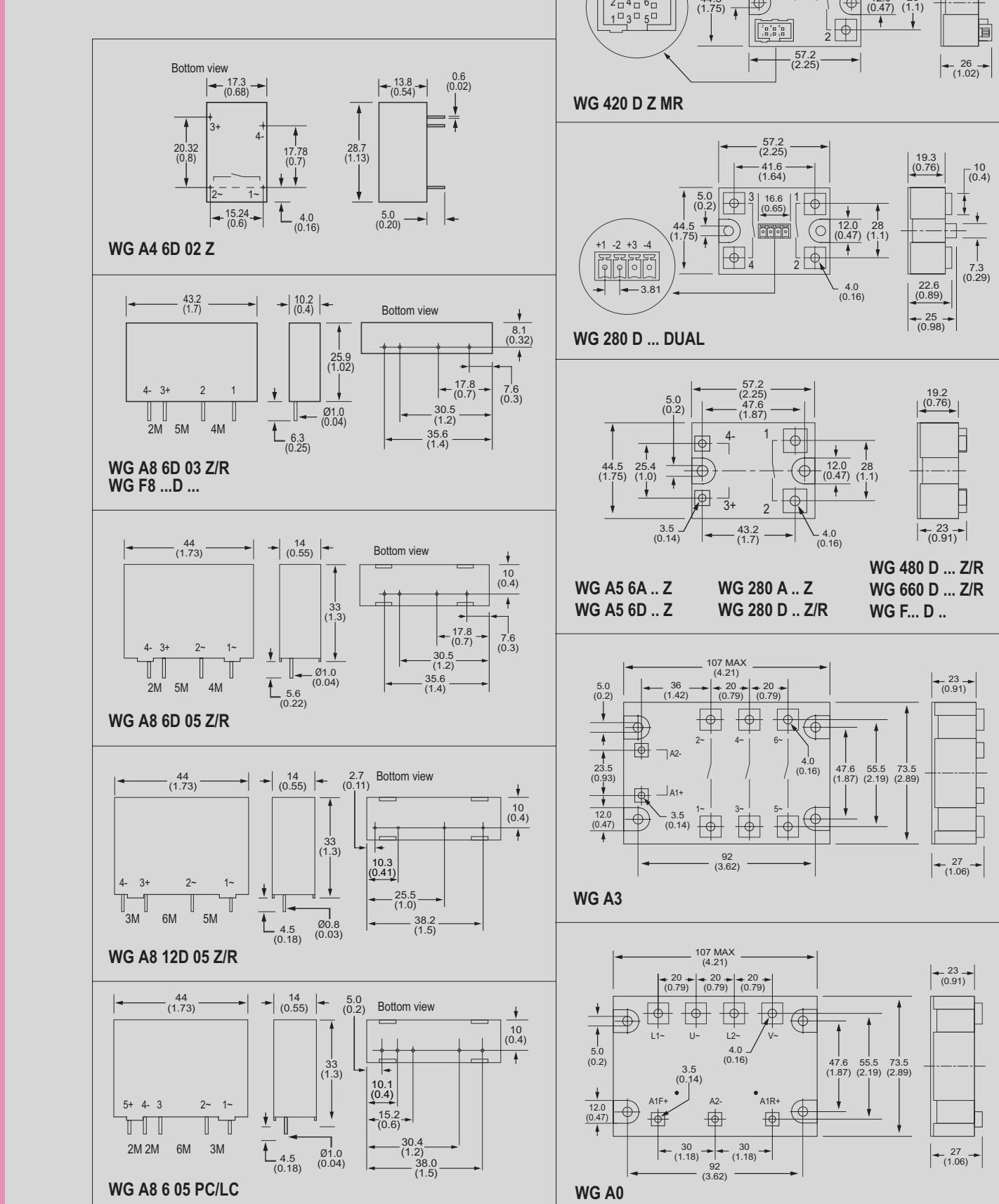
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