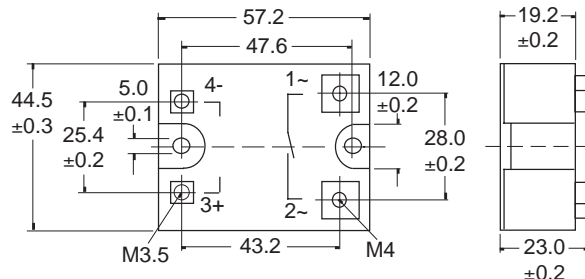


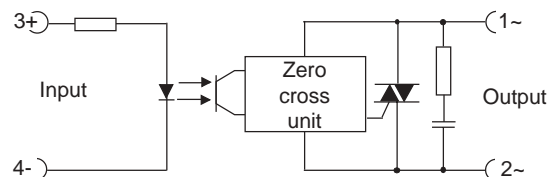
SPECIFICATION

| | | |
|----------------------------|--|--------------------|
| Switching Type | zero cross | |
| Approvals | UL, CSA, VDE | |
| Output | triac | |
| Application Fields | resistive Loads inductive loads with $\cos\phi > 0.85$ | |
| Input Circuit | | |
| Control Voltage Range | V | 3 - 32 DC |
| Control Current Max. | mA | 34 |
| Turn-off Voltage Min. | V | 1 DC |
| Input Resistance | Ω | 900 |
| Output Circuit | | |
| Load Voltage Range | V rms | 24 - 280 AC |
| Peak-off-state Voltage | V drms | 600 |
| Off-state Leakage Current | mA _{eff} Max. | 12 |
| Load Current Range | A rms | 0,1 - 25 |
| Surge Current 1 half wave | A peak | 230 |
| 1 st for Fusing | A ² s | 260 |
| On-state Voltage | V peak | 1,85 |
| Off-state (Static) dv/dt | V/ μ s | 200 |
| Snubber | Ω ; nF | 47 ; 100 |
| General Data | | |
| Turn-on Time Max. | ms | 11 |
| Turn-off Time Max. | ms | 11 |
| Line Frequency Range | Hz | 47 - 63 |
| Isolation Voltage between: | | |
| - Input / Output | V rms | 4.000 |
| - Input-output/base | V rms | 2.500 |
| Isolation Resistance | M Ω | 50 |
| Operating Temperature | $^{\circ}$ C | -20 ... +80 |
| Recommended Varistor | Siemens | SIOV-S20 K230 |

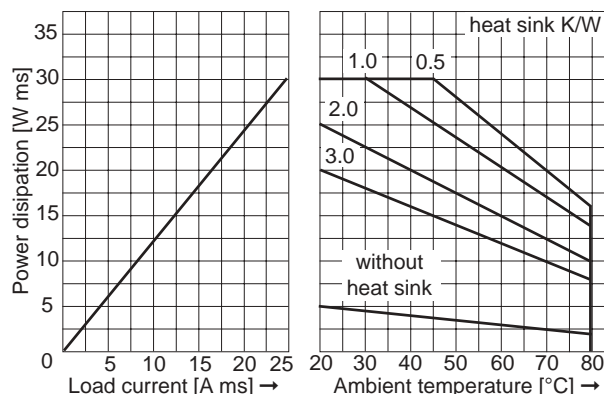


Drawings not to scale
All dimensions in mm nominal

Circuit Diagrams



Derating diagram WG A5 6D 25 Z



SOLID STATE RELAY
1-phase for AC loads and chassis mounting

PART NUMBER
WG A5 6D 25 Z

| Rev. No. | Revision Note | Date | Signature |
|----------|---------------|--------|-----------|
| A | Web Site 2002 | 1-6-02 | RG |

The Comus Group of Companies consist of:
Asmetech Europe Limited
E. Bachem GmbH
Comus International
W. Gunther GmbH
Gunther Belgium
Gunther France
S.T.G.

As part of the company policy of continued product improvement, specifications may change without notice. Our sales office will be pleased to help you with the latest information on this product range and details of our full design and manufacturing service. All products are supplied to our standard conditions of sale otherwise agreed in writing.