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| Type: | GPC – Generator Paralleling Controller GPC-3 – Generator Paralleling Controller Multi-line 2 |
| Technical specifications | |
| * Operating temperature: | -25...70°C |
| * Measuring Voltage: | 100/110V AC to 690V AC +-20% Consumption max. 0,2VA / phase |
| * Measuring. Current: | -1 or -5A AC Consumption max. 0,3VA / phase |
| * Measuring frequency: | 30....70Hz |
| * Auxiliary supply GPC | Terminal 1-2 12/24V DC -25/+30% max. 11W consumption |
| GPC-3 | Terminal 1-2 12/24V DC -25/+50% max.11W consumption Terminal 98-99 12/24V DC -25/+50% max. 5W consumption |
| * Binary input: | Optocoupler, bi-directional Impedance: 4.7kΩ |
| GPC | Input voltage 8....32V DC |
| GPC-3 | Input voltage 8....36V DC |
| * Relay outputs: | 250V AC / 30V DC, 5A (Unit status output: 1A) |
| * Open collector outputs: GPC | Supply 12...32V DC, max. 10mA |
| GPC-3 | Supply 8...36V DC, max. 10mA |
| * Analogue inputs: | GPC -10....0....+10V DC, Impedance min. 90 kΩ Not galvanically separated GPC-3 0...20mA, ±1%, Impedance: 50Ω PT100/1000: -40...250°C, ±1% to IEC/EN 60751 VDO: 0...1700Ω, ±2% 0...40V DC, ±1% Not galvanically separated |
| * Galvanic separation: | Between AC voltage, AC current and other I/O's: 3250 V AC, 50Hz, 1 minute Between analogue outputs and other I/O's: 500V DC, 1 minute Between binary input groups and other I/O's: 500V DC, 1 minute |
| Current overload: | 4 x I _n continuously 20 x I _n , 10 sec. (max 75A) 80 x I _n , 1 sec. (max 300A) |

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| Type test specifications | | Tested according to: |
|--------------------------|---|---|
| Temperature: | -25...70°C (operating) -40...70°C (storage) | IEC 60068-2-1 IEC 60068-2-2 |
| Accuracy: | Class 1.0 Class 0.5 (option dependent in GPC-3) | IEC 60688 |
| Climate: | 97% RH | IEC 60068-2-30, test Db |
| Vibration: | 3...13.2Hz: 2mm _{pp} 13.2...100Hz: 0.7g 10...60Hz: 0.15mm _{pp} 60...150Hz: 1g 10...150Hz: 2g 3...8.15Hz: 15mm _{pp} 8.15...35Hz: 2g | IEC 60068-2-6 & IACS UR E10 IEC 60255-21-1 Response (Class2) IEC 60255-21-1 Endurance (Class2) IEC 60255-21-3 Seismic (Class2) |
| Shock: | Base mounted 10g, 11msec. half sine 30g, 11msec. half sine 50g, 11msec. half sine Tested with 3 impacts in each direction in all 3 axes. Total 18 impacts per test. | IEC 60255-21-2 Response (Class 2) IEC 60255-21-2 Endurance (Class 2) IEC 60068-2-27, test Ea |
| Bump | 20g, 16msec. half sine Tested with 1000 impacts in each direction in all 3 axes. | IEC 60255-21-2 (Class 2) |
| Safety: | Installation Cat.III 600V Pollution degree 2 | EN 61010-1 tested at 50Hz, 1 min Each galvanic group tested to other Galvanic groups and to protection Eath. |
| EMC: | | EN 61000-6-1/2/3/4 IEC 60255-26 IEC 60533 power distr. zone IACS UR E10 power distr. zone |
| Materials: | All plastic parts are self-extinguishing to UL94 (V0) | |
| Protection: | Unit: IP20 Front: IP40 (IP54 with gasket – option L) | IEC/EN 60529 |

*) Tested on all units according to specifications. Remaining specifications are tested regularly by test sampling

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