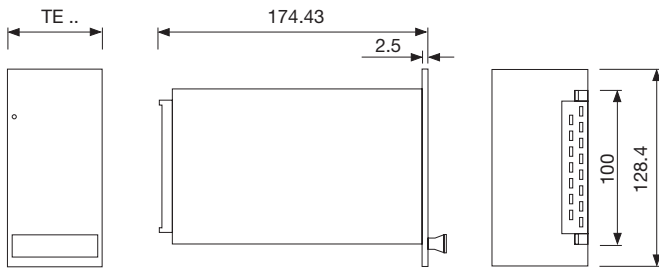




- 19" plug-in module
- Wide range input 99 - 264 VAC
- EMC Standards EN 50081-1 and EN 50082-2
- All outputs permanent short-circuit proof
- Outputs SELV according to EN 60950
- Optional Power-Fail and ACFAIL signal
- Assembly kit for DIN-rail or wall mounting
- Additional pin connections available



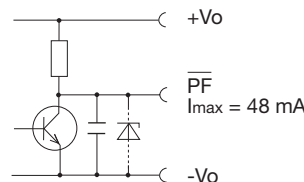
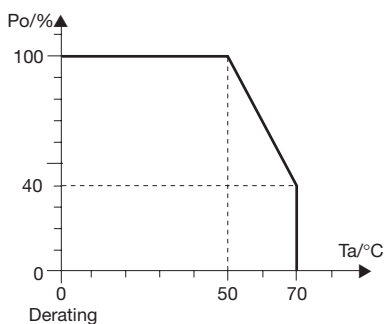
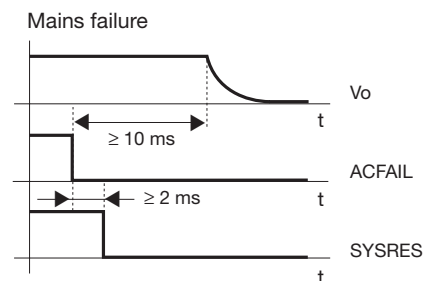
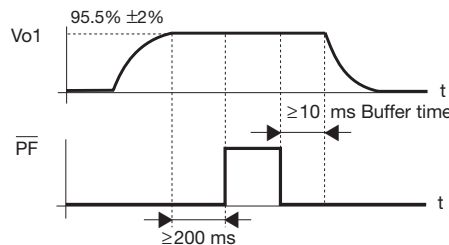
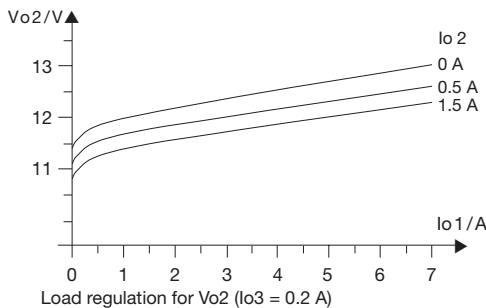
3HE

Front panel: 8TE - 40.3
 Handle width: 3TE

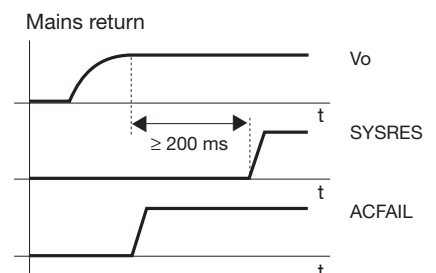
ORDER DATA								<i>Order numbers in italics</i>	
Vo1 V	Io1 A	Vo2 V	Io2 A	Vo3 V	Io3 A	Width TE	Height HE	Type-No.	
+5	0 - 7	+12	0 - 1.5	-12	0 - 0.5	8	3	P3051-05121 <i>15.7540.000</i>	
+5	0 - 7	+12	0 - 1.5	-12	0 - 0.5	8	3	P3051-05121PF <i>15.7540.002</i>	
+5	0 - 7	+12	0 - 1.5	-12	0 - 0.5	8	3	P3051-05121AC <i>15.7540.004</i>	
Additionally:									
PF-signal or ACFAIL-signal				<i>see table for order numbers</i>					
Front panel (nature anodized)				<i>33.1571.006.011</i>					
Assembly kit for DIN-rail				<i>15.7140.000.190</i>					
Assembly kit for wall mounting				<i>15.7140.000.290</i>					

**AC / DC POWER SUPPLY
PRIMARY SWITCHED MODE
TRIPLE OUTPUT
P 3051 SERIES**

INPUT	EMC																																							
Input voltage range AC 99 - 264 V, 50/60 Hz	Interference suppression/ interference immunity EN 50082-2: 1992 EN 61000-4-2 Intensity 4 EN 61000-4-3 Noise level 10 V/m EN 61000-4-4 Intensity 4 EN 61000-4-5 Intensity 4 EN 61000-4-11																																							
Efficiency typ. 73%																																								
Input current limitation $\leq 10 A_{peak}$ typ. – in cold state $\leq 15 A_{peak}$ typ. – in hot state																																								
Fuse 3.15 AT	Interference emission EN 50081-1: 1992 EN 55011 / EN 55022 Class B, interference transmission depends on assembly																																							
OUTPUT	OPERATING DATA																																							
Adjustment range Vo1 +4% / -2%	Temperature range 0...+70°C, at free convection																																							
Operation indicator Green LED for Vo1	Derating 3% / K at +50°C (see diagram)																																							
Ripple Vo1 < 40 mV _{pp} , Vo2 < 30 mV _{pp} , Vo3 < 10 mV _{pp}	Weight 0.5 kg																																							
Noise voltage < 50 mV _{pp} typ. (total of all noise components)	Ventilation from bottom to top of the power supply and the housing-specific heat radiation must not be obstructed when installing the power supply. Ensure fire protection by means of the surrounding housing system. In general, kindly refer to the MGW user instructions before use.																																							
Temperature coefficient $\leq 0.025\%$ / K, Vo3 $\leq 0.05\%$ / K																																								
Switch on/switch off performance No overshooting of Vo (soft-start)																																								
Rise-delay time 1.5 s																																								
Run-up time < 30 ms																																								
REGULATION	MECHANICS																																							
Line regulation < 0.2% for Vo1 < 0.5% for Vo2, Vo3 at Vi 99 - 264 V	Dimensions 19" plug-in module according to DIN 41494 Part 5																																							
Load regulation < 0.1% for Vo1 at Io 0 - 100% < 0.5% Vo3 at Io 0 - 100% Vo2 typical (see diagram)	Connection Connector H 15 / DIN 41612 codable																																							
Response time < 1 ms at Io 20 - 80%	PIN CONNECTIONS																																							
PROTECTION AND CONTROLLING	<table border="1" style="width: 100%; text-align: center; border-collapse: collapse;"> <tr> <td rowspan="2" style="writing-mode: vertical-rl; transform: rotate(180deg);">H15 DIN 41612</td> <td>30</td> <td>26</td> <td>22</td> <td>18</td> <td>14</td> <td>10</td> <td>6</td> </tr> <tr> <td>N</td> <td>near mains</td> <td>-12VL</td> <td>1)</td> <td>OVL</td> <td>OVL</td> <td>OVF</td> </tr> <tr> <td></td> <td>32</td> <td>28</td> <td>24</td> <td>20</td> <td>16</td> <td>12</td> <td>8</td> </tr> <tr> <td></td> <td>PE ⊕</td> <td>L1</td> <td>PF ACFAIL</td> <td>+12VL</td> <td>SYS- RESET</td> <td>+5VL</td> <td>+5VL</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>+5VF</td> </tr> </table>	H15 DIN 41612	30	26	22	18	14	10	6	N	near mains	-12VL	1)	OVL	OVL	OVF		32	28	24	20	16	12	8		PE ⊕	L1	PF ACFAIL	+12VL	SYS- RESET	+5VL	+5VL								+5VF
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							+5VF																																	
Overvoltage protection 125% ±10% for Vo1, 130% ±15% for Vo2, automatically repeating, transorb diode for Vo3	1) internally connected Additional connections available!																																							
Overload protection At exceeding the total output of Pa = (65 ±5) W, automatically repeating	EXPLANATION																																							
Current limitation For Vo3 typ. 120% I _{nominal} , straight characteristic. All outputs permanent short-circuit proof	PE ⊕ Protective conductor Do not use supply without PE-connection!																																							
Mains buffering 20 ms at 100% load	L1 / N Mains phase / neutral conductor																																							
Power-Fail (see diagram) The transistor for the PF-signal is blocked, if the output voltage reached a value > 95% of the nominal output voltage. The transistor becomes conductive > 10 ms before the output voltage drops.	L Load connection																																							
Signals ACFAIL and SYSRESET TTL-signals with 48 mA drive current, open-collector and low-active-level	F Sense connection (Signal line)																																							
SAFETY	OVL Common ground for Vo1, Vo2, Vo3																																							
IEC 950, EN 60950 / VDE 0805 Safety Class I, VDE 0100	Sense lines at 5 V For a safe operating mode of the device, it is mandatory to connect +5VL with +5VF and OVL with OVF. Maximum voltage compensation of 0.1 V of each line.																																							



Power-Fail signal



Signals ACFAIL / SYSRESET