



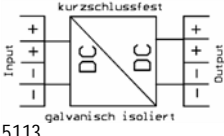
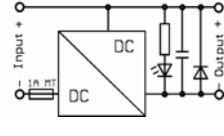
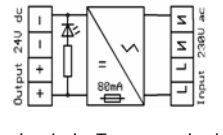
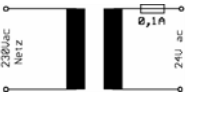


| 02-09 APPOLDT GmbH Interfacetechnik D- 40231 Düsseldorf Am Schurfwinkel 2a | DC/DC-Wandler 3 W/6W | | Geregelltes Netzteil GNT | | Stromversorgungen | | Netzteile Power supply | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| 5107 ...5112 • geregelte Ausgangsspannung Dauerkurzschlussfest galvan. Trennung , Eingangsfilter 5108 5113 5114 DC/DC 3W • geregelte Ausgangsspannung , kurzschlußfest 0,9A Sicherung im Eingang 5115 und 5102 und 5100 DC/DC 6W • unregelte Ausgangsspannung . Im Leerlauf wird die Spannung durch eine Zener-Diode auf ca. 30 V gehalten. | DC/DC Wandler Converter  5107 5113 | | DC/DC Wandler 4 Watt Geregelltes Netzteil GNT  | | AC/DC  | |  | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3300 DC/DC-Wandler / geregelltes Netzteil stabilisierte Ausgangsspannung einstellbar 1,5-33Vdc in Abhängigkeit der Eingangsversorgungsspannung ! Interner Übertemperatur - und Kurzschlußschutz. Input: verpolungssicher Die Eingangsspannung muß immer mindestens 4 Volt Über die durch Poti geregelte Ausgangsspannung Liegen !! Derating beachten. | 5107...  5113..  | | mit Einstellpoti für Uout Berchnung von max. Iout $I_{max} = P_{max} / U_e \cdot U_a$ | |  galvanische Trennung durch Trafo | |  AC/DC -Ausgang mit Brückengleichrichter und ELKO | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <table border="0"> <tr> <th>Beschreibung</th> <th>U in</th> <th>Uout</th> <th>Iout</th> <th>Typ</th> <th>Artikel Nr:</th> <th>Typ</th> <th>Artikel Nr:</th> <th>Typ</th> <th>Artikel Nr:</th> <th>Typ</th> <th>Artikel Nr:</th> </tr> <tr> <td>22mm Breite</td> <td>18-36Vdc</td> <td>3,3Vdc</td> <td>0,6A</td> <td>DC24/3,3</td> <td>5107</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td>"</td> <td>5Vdc</td> <td>0,3A</td> <td>DC24/5</td> <td>5106</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td>"</td> <td>10Vdc</td> <td>0,3A</td> <td>DC24/10</td> <td>5101</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td>"</td> <td>12Vdc</td> <td>250mA</td> <td>DC24/12</td> <td>5111</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td>"</td> <td>15Vdc</td> <td>90mA</td> <td>DC24/15</td> <td>5109</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td>"</td> <td>24Vdc</td> <td>125mA</td> <td>DC24/24</td> <td>5112</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>17 mm Breite</td> <td>24Vac/dc</td> <td>10Vdc</td> <td>250mA</td> <td></td> <td></td> <td>GNT</td> <td>3300</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>22mm Breite</td> <td>24Vac/dc</td> <td>1,5-36Vdc</td> <td>1A</td> <td></td> <td></td> <td>GNT-1A</td> <td>3300-1A</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td>7-40Vdc</td> <td>5Vdc</td> <td>0,5A</td> <td>DC24/5 Si</td> <td>5113</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td>14-40Vdc</td> <td>12Vdc</td> <td>0,5A</td> <td>DC24/12 Si</td> <td>5108</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td>17-40Vdc</td> <td>15Vdc</td> <td>0,5A</td> <td>DC24/15 Si</td> <td>5114</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td>230Vac</td> <td>12Vdc</td> <td>60mA</td> <td></td> <td></td> <td></td> <td></td> <td>STV230/12</td> <td>5115</td> <td></td> <td></td> </tr> <tr> <td></td> <td>230Vac</td> <td>24Vdc</td> <td>60mA</td> <td></td> <td></td> <td></td> <td></td> <td>STV239/24</td> <td>5102</td> <td></td> <td></td> </tr> <tr> <td></td> <td>230Vac</td> <td>24Vac</td> <td>80mA</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>STV230/24ac</td> <td>5100</td> </tr> <tr> <td></td> <td>115Vac</td> <td>24Vac</td> <td>80mA</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>STV115/24Vac</td> <td>5105</td> </tr> <tr> <td></td> <td>230Vac</td> <td>24Vac+dc</td> <td>80mA</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>STV230/24acdc</td> <td>5100DC</td> </tr> </table> | Beschreibung | U in | Uout | Iout | Typ | Artikel Nr: | Typ | Artikel Nr: | Typ | Artikel Nr: | Typ | Artikel Nr: | 22mm Breite | 18-36Vdc | 3,3Vdc | 0,6A | DC24/3,3 | 5107 | | | | | | | | " | 5Vdc | 0,3A | DC24/5 | 5106 | | | | | | | | " | 10Vdc | 0,3A | DC24/10 | 5101 | | | | | | | | " | 12Vdc | 250mA | DC24/12 | 5111 | | | | | | | | " | 15Vdc | 90mA | DC24/15 | 5109 | | | | | | | | " | 24Vdc | 125mA | DC24/24 | 5112 | | | | | | | 17 mm Breite | 24Vac/dc | 10Vdc | 250mA | | | GNT | 3300 | | | | | 22mm Breite | 24Vac/dc | 1,5-36Vdc | 1A | | | GNT-1A | 3300-1A | | | | | | 7-40Vdc | 5Vdc | 0,5A | DC24/5 Si | 5113 | | | | | | | | 14-40Vdc | 12Vdc | 0,5A | DC24/12 Si | 5108 | | | | | | | | 17-40Vdc | 15Vdc | 0,5A | DC24/15 Si | 5114 | | | | | | | | 230Vac | 12Vdc | 60mA | | | | | STV230/12 | 5115 | | | | 230Vac | 24Vdc | 60mA | | | | | STV239/24 | 5102 | | | | 230Vac | 24Vac | 80mA | | | | | | | STV230/24ac | 5100 | | 115Vac | 24Vac | 80mA | | | | | | | STV115/24Vac | 5105 | | 230Vac | 24Vac+dc | 80mA | | | | | | | STV230/24acdc | 5100DC | Typ Artikel Nr: 5108/-13/-14 | | Typ Artikel Nr: 24Vac/dc (5-40Vdc) | | Typ Artikel Nr: 230Vac | | Typ Artikel Nr: 230Vac 230ac 115Vac | |
| Beschreibung | U in | Uout | Iout | Typ | Artikel Nr: | Typ | Artikel Nr: | Typ | Artikel Nr: | Typ | Artikel Nr: | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 22mm Breite | 18-36Vdc | 3,3Vdc | 0,6A | DC24/3,3 | 5107 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | " | 5Vdc | 0,3A | DC24/5 | 5106 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | " | 10Vdc | 0,3A | DC24/10 | 5101 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | " | 12Vdc | 250mA | DC24/12 | 5111 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | " | 15Vdc | 90mA | DC24/15 | 5109 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | " | 24Vdc | 125mA | DC24/24 | 5112 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 17 mm Breite | 24Vac/dc | 10Vdc | 250mA | | | GNT | 3300 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 22mm Breite | 24Vac/dc | 1,5-36Vdc | 1A | | | GNT-1A | 3300-1A | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 7-40Vdc | 5Vdc | 0,5A | DC24/5 Si | 5113 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 14-40Vdc | 12Vdc | 0,5A | DC24/12 Si | 5108 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 17-40Vdc | 15Vdc | 0,5A | DC24/15 Si | 5114 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 230Vac | 12Vdc | 60mA | | | | | STV230/12 | 5115 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 230Vac | 24Vdc | 60mA | | | | | STV239/24 | 5102 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 230Vac | 24Vac | 80mA | | | | | | | STV230/24ac | 5100 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 115Vac | 24Vac | 80mA | | | | | | | STV115/24Vac | 5105 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 230Vac | 24Vac+dc | 80mA | | | | | | | STV230/24acdc | 5100DC | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <table border="0"> <tr> <th>INGANGSDATEN</th> <th>INPUT DATA</th> <th colspan="2">5108/-13/-14</th> </tr> <tr> <td>Eingangsspannung</td> <td>Rated voltage</td> <td>18-36Vdc</td> <td>7-40Vdc</td> </tr> <tr> <td>Nennstrom Leerlauf</td> <td>Rated current</td> <td>2mA-7,5mA</td> <td>5mA</td> </tr> <tr> <td>LED-Anzeige / Status indication</td> <td>operating Voltage</td> <td>grün</td> <td></td> </tr> <tr> <td>Sicherung / Fuse</td> <td></td> <td>-----</td> <td>1A MT 5x20mm</td> </tr> <tr> <td>Nennverbrauch</td> <td>Power consumption</td> <td></td> <td></td> </tr> </table> | INGANGSDATEN | INPUT DATA | 5108/-13/-14 | | Eingangsspannung | Rated voltage | 18-36Vdc | 7-40Vdc | Nennstrom Leerlauf | Rated current | 2mA-7,5mA | 5mA | LED-Anzeige / Status indication | operating Voltage | grün | | Sicherung / Fuse | | ----- | 1A MT 5x20mm | Nennverbrauch | Power consumption | | | <table border="0"> <tr> <th>AUSGANGSDATEN</th> <th>OUTPUT DATA</th> </tr> <tr> <td>Ausgangsspannung max.</td> <td>switching voltage</td> </tr> <tr> <td>Dauerstrom</td> <td>continius curren</td> </tr> <tr> <td>Kurzschlusschutz</td> <td>short circuit current</td> </tr> <tr> <td>Ausgangsleistung</td> <td>Power rating</td> </tr> <tr> <td>Restwelligkeit</td> <td>Residual riple</td> </tr> <tr> <td>Schaltfrequenz</td> <td>Switchingfrequency</td> </tr> <tr> <td>Galvanische Trennung</td> <td>Galvanic isolation</td> </tr> <tr> <td>Sicherung</td> <td>Fuse</td> </tr> <tr> <td>Leerlaufspannung</td> <td></td> </tr> </table> | | AUSGANGSDATEN | OUTPUT DATA | Ausgangsspannung max. | switching voltage | Dauerstrom | continius curren | Kurzschlusschutz | short circuit current | Ausgangsleistung | Power rating | Restwelligkeit | Residual riple | Schaltfrequenz | Switchingfrequency | Galvanische Trennung | Galvanic isolation | Sicherung | Fuse | Leerlaufspannung | | <table border="0"> <tr> <td>3,3...24Vdc</td> <td>5V...15Vdc</td> <td>1,5-36Vdc</td> <td>12Vdc .. 24Vdc</td> <td>24Vac+dc 24Vac 24Vac</td> </tr> <tr> <td>125mA/600mA</td> <td>500mA</td> <td>0,3A/1A</td> <td>60mA bei 24Vdc</td> <td>80mA</td> </tr> <tr> <td>kurzschlußfest</td> <td>bis 900mA</td> <td>kurzschlussfest /Ü-Temp.</td> <td>-----</td> <td>Dauerkurzschlußfest</td> </tr> <tr> <td>3W</td> <td>6W</td> <td>4W</td> <td></td> <td>2,1 W</td> </tr> <tr> <td><100mV</td> <td><100mV</td> <td></td> <td></td> <td></td> </tr> <tr> <td>100KHz</td> <td>50KHz</td> <td></td> <td></td> <td></td> </tr> <tr> <td>ja E/A 500Vdc</td> <td></td> <td>-----</td> <td>ja</td> <td>ja</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td>100mA T</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td>25Vac/30Vdc 25Vac</td> </tr> </table> | | 3,3...24Vdc | 5V...15Vdc | 1,5-36Vdc | 12Vdc .. 24Vdc | 24Vac+dc 24Vac 24Vac | 125mA/600mA | 500mA | 0,3A/1A | 60mA bei 24Vdc | 80mA | kurzschlußfest | bis 900mA | kurzschlussfest /Ü-Temp. | ----- | Dauerkurzschlußfest | 3W | 6W | 4W | | 2,1 W | <100mV | <100mV | | | | 100KHz | 50KHz | | | | ja E/A 500Vdc | | ----- | ja | ja | | | | | 100mA T | | | | | 25Vac/30Vdc 25Vac | <table border="0"> <tr> <td>230Vac</td> <td>230Vac</td> <td>230ac</td> <td>115Vac</td> </tr> <tr> <td>80 mA</td> <td>-----</td> <td></td> <td></td> </tr> <tr> <td>2,8VA</td> <td></td> <td></td> <td></td> </tr> </table> | | 230Vac | 230Vac | 230ac | 115Vac | 80 mA | ----- | | | 2,8VA | | | | <table border="0"> <tr> <td>230Vac</td> <td>230ac</td> <td>115Vac</td> </tr> <tr> <td>80 mA</td> <td>-----</td> <td></td> </tr> <tr> <td>2,8VA</td> <td></td> <td></td> </tr> </table> | | 230Vac | 230ac | 115Vac | 80 mA | ----- | | 2,8VA | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| INGANGSDATEN | INPUT DATA | 5108/-13/-14 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Eingangsspannung | Rated voltage | 18-36Vdc | 7-40Vdc | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Nennstrom Leerlauf | Rated current | 2mA-7,5mA | 5mA | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| LED-Anzeige / Status indication | operating Voltage | grün | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Sicherung / Fuse | | ----- | 1A MT 5x20mm | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Nennverbrauch | Power consumption | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| AUSGANGSDATEN | OUTPUT DATA | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Ausgangsspannung max. | switching voltage | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Dauerstrom | continius curren | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Kurzschlusschutz | short circuit current | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Ausgangsleistung | Power rating | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Restwelligkeit | Residual riple | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Schaltfrequenz | Switchingfrequency | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Galvanische Trennung | Galvanic isolation | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Sicherung | Fuse | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Leerlaufspannung | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3,3...24Vdc | 5V...15Vdc | 1,5-36Vdc | 12Vdc .. 24Vdc | 24Vac+dc 24Vac 24Vac | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 125mA/600mA | 500mA | 0,3A/1A | 60mA bei 24Vdc | 80mA | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| kurzschlußfest | bis 900mA | kurzschlussfest /Ü-Temp. | ----- | Dauerkurzschlußfest | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3W | 6W | 4W | | 2,1 W | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <100mV | <100mV | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 100KHz | 50KHz | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ja E/A 500Vdc | | ----- | ja | ja | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| <table border="0"> <tr> <th>ALLGEMEINE DATEN</th> <th>GENERAL DATA</th> </tr> <tr> <td>DIN VDE-Bestimmungen</td> <td>Specifications</td> </tr> <tr> <td>Montage</td> <td>mount</td> </tr> <tr> <td>Betriebstemperatur</td> <td>Operating temperatur range</td> </tr> <tr> <td>Abmessungen BxLxH</td> <td>Modul with/length/height</td> </tr> <tr> <td>Klemmenquerschnitt /</td> <td>Conductor cross section</td> </tr> <tr> <td>Verschmutzungsgrad</td> <td>pollution grade</td> </tr> <tr> <td>Überspannungskategorie</td> <td>overvoltage catagory</td> </tr> <tr> <td>ZUBEHÖR</td> <td>ACCESSORIES</td> </tr> </table> | ALLGEMEINE DATEN | GENERAL DATA | DIN VDE-Bestimmungen | Specifications | Montage | mount | Betriebstemperatur | Operating temperatur range | Abmessungen BxLxH | Modul with/length/height | Klemmenquerschnitt / | Conductor cross section | Verschmutzungsgrad | pollution grade | Überspannungskategorie | overvoltage catagory | ZUBEHÖR | ACCESSORIES | DIN VDE 0160; VDE 0550 TS35 ohne Abstand DIN-rail-mont -20°C...+55°C 22x100x80mm 17x62x62mm 22,5x62x62mm 22x100x80mm 35x85x45mm | | Schraubklemmen ist Standard ; Federzugklemmen auf Wunsch | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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