



TMS 17x12 C Art. Number 318902



Cascade multiswitch for 4 Satellite positions with 17 inputs and 17 trunk outputs, suitable for distributing satellite and terrestrial signals in small to large sized systems. Available with 12 subscriber outputs and powered by the TMS PSU external power supply either directly or via the SAT trunk lines.

**Dependability guaranteed:** a 6-year warranty is our guarantee that TRIAX's core values of reliability and innovation are the foundation of our new multiswitches.

The TMS 17x12 C offers excellent performance and flexibility, with a compact design for installations even in confined spaces.

### **Excellent performance**

- Low insertion loss
- High isolation
- Low power consumption
- RED compliant
- ESD Protection

### **Flexibility**

All the functionality you need in a simplified, streamlined range:

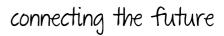
- Easier to select the right product
- Fewer products to stock
- Active/Passive Terrestrial Switch

#### Convenience

Designed with installer convenience in mind:

- Equidistant F-connectors on all multiswitches
- Colour-coded input labels
- LED power indicator
- Flexible power injection







## **Technical Specifications**

| EAN Number         5702663189027           CHARACTERISTICS           LNB type         Quattro           Max. input level - SAT (IMD3 - 35dB)   dBμV         98 dBμV           Max. input level - TER (IMD3 - 60dB)   dBμV         90 dBμV           Max. output level SAT @ -35 dB IMD3   dBμV         100 dBμV           Max. output level TER @ -60dB IMD3   dBμV         90 dBμV           LNB current max.   mA         3000 mA           Switch commands         DiSEqC 1.0/2.0, 13/18V, 0/22kHz           FREQUENCY RANGE           Frequency range TER   MHz         Active: 47862 / Passive: 5862 MHz           Frequency range SAT   MHz           Gain - SAT (with 5 dB slope)   dB         -3+2 ± 2 dB           Gain - TER   dB         0 ± 2 dB           LOSS           Tap loss TER   dB         27 ± 2 dB           Insertion loss - trunkline SAT   dB         4 ± 1 dB           Insertion loss - trunkline TER   dB         4.5 ± 1 dB           ISOLATION         SOLATION           Isolation SAT to TER   dB         > 30 dB           Isolation trunk to trunk   dB         > 30 dB | EAN Number                                  |                                   |
|--|---|-----------------------------------|
| LNB type         Quattro           Max. input level - SAT (IMD3 - 35dB)   dBμV         98 dBμV           Max. input level - TER (IMD3 - 60dB)   dBμV         90 dBμV           Max. output level SAT @ -35 dB IMD3   dBμV         100 dBμV           Max. output level TER @ -60dB IMD3   dBμV         90 dBμV           LNB current max.   mA         3000 mA           Switch commands         DiSEqC 1.0/2.0, 13/18V, 0/22kHz           FREQUENCY RANGE           Frequency range TER   MHz         Active: 47862 / Passive: 5862 MHz           Frequency range SAT   MHz         9502200 MHz           GAIN           Gain - SAT (with 5 dB slope)   dB         -3+2 ± 2 dB           Gain - TER   dB         0 ± 2 dB           LOSS           Tap loss TER   dB         27 ± 2 dB           Insertion loss - trunkline SAT   dB         4 ± 1 dB           Insertion loss - trunkline TER   dB         4.5 ± 1 dB           ISOLATION         S0 dB  |   | 5702663189027                     |
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| GAIN         Gain - SAT (with 5 dB slope)   dB       -3+2±2 dB         Gain - TER   dB       0±2 dB         LOSS         Tap loss TER   dB       27±2 dB         Insertion loss - trunkline SAT   dB       4±1 dB         Insertion loss - trunkline TER   dB       4.5±1 dB         ISOLATION         Isolation SAT to TER   dB       > 30 dB   | Frequency range TER   MHz                   | Active: 47862 / Passive: 5862 MHz |
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| LOSS         Tap loss TER   dB       27 ± 2 dB         Insertion loss - trunkline SAT   dB       4 ± 1 dB         Insertion loss - trunkline TER   dB       4.5 ± 1 dB         ISOLATION         Isolation SAT to TER   dB       > 30 dB   | Gain - SAT (with 5 dB slope)   dB           | -3+2 ± 2 dB                       |
| Tap loss TER   dB       27 ± 2 dB         Insertion loss - trunkline SAT   dB       4 ± 1 dB         Insertion loss - trunkline TER   dB       4.5 ± 1 dB         ISOLATION       Isolation SAT to TER   dB         Isolation SAT to TER   dB       > 30 dB  | Gain - TER   dB                             | 0 ± 2 dB                          |
| Insertion loss - trunkline SAT   dB       4 ± 1 dB         Insertion loss - trunkline TER   dB       4.5 ± 1 dB         ISOLATION         Isolation SAT to TER   dB       > 30 dB  | LOSS  |                                   |
| Insertion loss - trunkline TER   dB 4.5 ± 1 dB  ISOLATION  Isolation SAT to TER   dB > 30 dB   | Tap loss TER   dB                           | 27 ± 2 dB                         |
| ISOLATION Isolation SAT to TER   dB > 30 dB  | Insertion loss - trunkline SAT   dB         | 4 ± 1 dB                          |
| Isolation SAT to TER   dB > 30 dB  | Insertion loss - trunkline TER   dB         | 4.5 ± 1 dB                        |
|  | ISOLATION                                   |                                   |
| Isolation trunk to trunk   dB > 30 dB  | Isolation SAT to TER   dB                   | > 30 dB                           |
|  | Isolation trunk to trunk   dB               | > 30 dB                           |
| Isolation cross polarisation H/V   dB 30 dB  | Isolation cross polarisation H/V   dB       | 30 dB                             |
| Isolation out-out SAT   dB 30 dB   | Isolation out-out SAT   dB                  | 30 dB                             |
| Isolation out-out TER   dB 25 dB   | Isolation out-out TER   dB                  | 25 dB                             |
| RETURN LOSS  | RETURN LOSS                                 |                                   |
| Return loss SAT inputs   dB >10 dB   | Return loss SAT inputs   dB                 | >10 dB                            |
| Return loss SAT outputs   dB >10 dB  | Return loss SAT outputs   dB                | >10 dB                            |
| Return loss TER inputs   dB >10 dB   | Return loss TER inputs   dB                 | >10 dB                            |
| Return loss TER outputs   dB >10 dB  | Return loss TER outputs   dB                | >10 dB                            |
| Return loss TAP outputs   dB 10 dB   | Return loss TAP outputs   dB                | 10 dB                             |
| ELECTRICAL   | ELECTRICAL                                  |                                   |
| Impedance   $\Omega$ 75 $\Omega$   | Impedance   Ω                               | 75 Ω                              |
| OPERATIONAL  | OPERATIONAL                                 |                                   |
| LINE power DC voltage (max.)   VDC 1520 VDC  | LINE power DC voltage (max.)   VDC          | 1520 VDC                          |
| LINE power current (max.)   mA 2000 mA   | LINE power current (max.)   mA              | 2000 mA                           |
| PSU output DC voltage   VDC 18 VDC   | PSU output DC voltage   VDC                 | 18 VDC                            |
| ESD protection 4KV inputs & sub outputs  | ESD protection                              | 4KV inputs & sub outputs          |

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# connecting the future

### **Technical Specifications**

DC Current consumption | mA 30mA TER passive mA

180mA TER active

PSU/adapter Art number 318162, 18163, 318164

Max. current to each output (supplied by set top <50 mA

Control LEDs Green LED (Power)

Temperature - operating | °C -20...+55 °C

**CONNECTORS** 

Connector Type F-female
Connector DC F-female

Number of trunk inputs 16 SAT, 1 TER

Number of trunk outputs 16 SAT, 1 TER

Subscriber outputs 12

Colorcoding @IF/TER inputs VL=Black, VH=Red, HL=Green, HH=Yellow, White=TER

**MECHANICAL** 

Main material Steel housing

Dimensions product (H x D x W) | mm 180x255x65 mm

Packing QTY 1

Product Height | mm 175 mm 255 mm Product Width | mm Product Depth | mm 65 mm 0.070 m Packaging Height | m 0.280 m Packaging Width | m Packaging Depth | m 0.182 m Packaging Volume | m3 0.000 m3 Net Weight | kg 1.078 kg Tara Weight | kg 0.151 kg Total Weight | kg 1.229 kg

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