

TMS 5x24 C

Art. Number 318616





Cascade multiswitch for 1 Satellite position with 5 inputs and 5 trunk outputs, suitable for distributing satellite and terrestrial signals in small to large sized systems. Available with 24 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.

**European IRS Certification Scheme:** TMS 5 Input Cascade Multiswitches and Amplifiers are certified to the EICS scheme, demonstrating the high quality of the solution and compatibility with all major satellite and TV platforms.

The TMS 5x24 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
- Quad and Quattro LNB compatible
- Active/Passive Terrestrial Switch

### Convenience

Designed with installer convenience in mind:

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

## Technical Specifications

### ORDER INFORMATION

EAN Number 5702663186163

### CHARACTERISTICS

|   |                                 |
|---|---------------------------------|
| LNB type  | Quattro                         |
| Max. input level - SAT (IMD3 - 35dB)   dB $\mu$ V | 99 dB $\mu$ V                   |
| Max. input level - TER (IMD3 - 60dB)   dB $\mu$ V | 90 dB $\mu$ V                   |
| Max. output level SAT @ -35 dB IMD3   dB $\mu$ V  | 100 dB $\mu$ V                  |
| Max. output level TER @ -60dB IMD3   dB $\mu$ V   | 90 dB $\mu$ V                   |
| LNB current max.   mA                             | 3000 mA                         |
| Switch commands                                   | DiSEqC 1.0/2.0, 13/18V, 0/22kHz |



## Technical Specifications

### FREQUENCY RANGE

|                           |   |
|---------------------------|---|
| Frequency range TER   MHz | Active: 47...862 / Passive: 5...862 MHz |
| Frequency range SAT   MHz | 950...2200 MHz                          |

### GAIN

|                                   |                |
|-----------------------------------|----------------|
| Gain - SAT (with 5 dB slope)   dB | -4...+1 ± 2 dB |
| Gain - TER   dB                   | 0 ± 2 dB       |

### LOSS

|                                     |           |
|-------------------------------------|-----------|
| Tap loss TER   dB                   | 33 ± 2 dB |
| Insertion loss - trunkline SAT   dB | 7 ± 1 dB  |
| Insertion loss - trunkline TER   dB | 5 ± 1 dB  |

### ISOLATION

|                                       |         |
|---------------------------------------|---------|
| Isolation SAT to TER   dB             | > 30 dB |
| Isolation trunk to trunk   dB         | > 30 dB |
| Isolation cross polarisation H/V   dB | 30 dB   |
| Isolation out-out SAT   dB            | 30 dB   |
| Isolation out-out TER   dB            | 25 dB   |

### RETURN LOSS

|                              |        |
|------------------------------|--------|
| Return loss SAT inputs   dB  | >10 dB |
| Return loss SAT outputs   dB | >10 dB |
| Return loss TER inputs   dB  | >10 dB |
| Return loss TER outputs   dB | >10 dB |
| Return loss TAP outputs   dB | 10 dB  |

### ELECTRICAL

|                      |             |
|----------------------|-------------|
| Impedance   $\Omega$ | 75 $\Omega$ |
|----------------------|-------------|

### OPERATIONAL

|  |   |
|--|---|
| LINE power DC voltage (max.)   VDC                         | 15...20 VDC                             |
| LINE power current (max.)   mA                             | 2000 mA                                 |
| PSU output DC voltage   VDC                                | 18 VDC                                  |
| ESD protection   | 4KV inputs & sub outputs                |
| DC Current consumption   mA                                | 30mA TER passive mA<br>200mA TER active |
| PSU/adapter Art number                                     | 318162, 18163, 318164                   |
| Max. current to each output (supplied by set top box)   mA | <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 | 4 SAT, 1 TER |



## Technical Specifications

|                            |  |
|----------------------------|--|
| Number of trunk outputs    | 4 SAT, 1 TER                                     |
| Subscriber outputs         | 24   |
| Colorcoding @IF/TER inputs | VL=Black, VH=Red, HL=Green, HH=Yellow, White=TER |

### MECHANICAL

|                       |               |
|-----------------------|---------------|
| Main material         | Steel housing |
| Packing QTY           | 1             |
| Product Height   mm   | 255 mm        |
| Product Width   mm    | 140 mm        |
| Product Depth   mm    | 65 mm         |
| Packaging Height   m  | 0.070 m       |
| Packaging Width   m   | 0.270 m       |
| Packaging Depth   m   | 0.150 m       |
| Packaging Volume   m3 | 0.000 m3      |
| Net Weight   kg       | 0.760 kg      |
| Tara Weight   kg      | 0.131 kg      |
| Total Weight   kg     | 0.891 kg      |