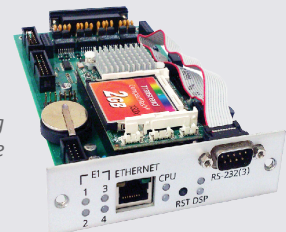


DCN-16U Digital subscribers exchange unit

ARMT.665200.001



DCN-Q4E switching processor module



DCN-16U digital subscribers exchange unit is designed for operation as a part of DCN digital Intercom and PA/GA system on the basis of DCN-2 or DCN-Q4E switching processor module and provides for interfacing with digital subscriber equipment by Uk₀-interface. DCN-16U transmits digital data between 15 subscriber Uk₀-interfaces and E1 line of a central exchange unit. In addition, there is a version of DCN-16U with built-in DCN-Q4E switching processor module.



"Phantom" power supply by Uk₀-interface line



Up to 6 km distance

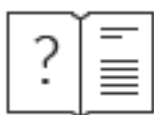
Key features:

- Connection of up to 15 digital subscriber devices to DCN system by the digital double-wire subscriber interfaces Uk₀ at a distance of max. 6 km;
- Local control and diagnostics using two-colour LED indication on the front panel of subscriber interface and E1 line status;
- Creation of low capacity DCN system (up to 15 digital subscribers, expandable up to 60 subscribers when connecting additional DCN-16U), for a version with DCN-Q4E module;
- "Phantom" power supply of subscriber units by Uk₀-interface line;
- DIN41612C socket for connection of digital subscribers, a group of phantom power fuses, strip of jumpers for power supply to subscriber units;
- DRB-25FA socket for 4 E1 lines connection cable of DCN-Q4E module, if installed, on the back panel;
- The connection cable is equipped with screw terminals for connecting lines of subscriber Uk₀-interfaces that are located on a DIN-rack mountable board. There are failure signal relays on the cable board.

Technical specifications

| | |
|--|-----------------------|
| Supply voltage range | from - 36 V to - 60 V |
| Max. power | 20 W |
| Number of subscriber unit connected | max 15 |
| Communication interface | Uk ₀ |
| Communication protocol | E1 (G.703/G.704) |
| Subscriber signalling protocol | Armtel-DSS |
| Operating temperature | from -5 °C to +55 °C |
| Relative humidity | Up to 80 % @ +25 °C |
| Degree of protection | IP40 |
| Dimensions | 483×227×44 mm |
| Maximum weight (without connection cable weight) | 2.5 kg |

Delivery includes

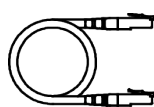


Set of operational documents



Connecting cable for digital DCN-16U subscribers

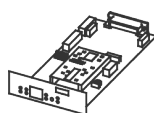
ARMT.665200.102



E1 Connection cable for DCN-Q4E (for versions with DCN-Q4E)
ARMT.665200.139



Socket RS 4/3-STF-7,62



DCN-Q4E (4x E1) switching processor module (**only** built-in in -01 version)
ARMT.665200.010



MJ-C-6,47 jumper pins (x32)

Administration software

RU.RMLT.04.15-02

DCN System Administration Software

RU.RMLT.04.15-03

DCN System Monitoring Software