

POWER SUPPLY MODULE FSP2M ELCONNECT®

SIMPLE Plug&Play installation

FIELD-PROVEN High quality and dependability

POWERFUL
Two galvanically separated remote power supply channels
for powering of repeaters via one/two SHDSL lines



THE PRODUCT

The remote power supply module FSP2M serves for the LT- or NT-side powering of one or two cascaded 2 Mbps regenerative repeaters ZWR2MS on the transmission path between the line terminating unit LT2MS and the network terminating unit NT2MS. The FSP2M is supplied as an optional plug-in module for the line terminating / network terminating units and is linked with the base unit of the LT2MS / NT2MS through a DIN connector. The sub-unit can also be subsequently installed into the LT2MS / NT2MS, depending on the intended transmission path.

The FSP2M provides supply voltage for one repeater per each transmission path. If the path configuration contains two ZWR2MS, two FSP2M are required – one with the LT2MS and one with the NT2MS.

The FSP2M offers two galvanically separated remote power supply channels, so that two SHDSL lines can be powered which ensures a non-reactive operation. A galvanic separation exists also against the supply voltage. The monitoring and regulating circuits of the FSP2M work independently from the activation state of the remote power supply. The FSP2M is short-circuit-proof and protected against overload and no-load operation.

Each supply source provides the transmission device with individual signals for further processing: Power supply switched off, unbalance, loop interrupted and short circuit. Both remote power supplies can be separately switched on and off.

Reclosing after switch-off due to overvoltage is possible via a control signal if the overvoltage failure has been eliminated. If the remote power supply after reclosing again generates an overvoltage, this will again cause forced outage, at least 200 ms after exceeding the limit value.

An unconditional break also takes place in case of failure of the auxiliary voltages on the FSP2M, the general 5 V supply voltage of the LT2MS, or if the supply voltage falls below the lower limit value.

POWER SUPPLY MODULE FSP2M ELCONNECT®

TECHNICAL DATA

Power supply voltage

- 112 V ± 3 V / 59 mA

Physical parameters

Dimensions

- 160.08 mm × 60.17 mm (W × D)

Environmental conditions

- Operation:
 - Air temperature: -5°C ... +55°C
acc. to ETS 300 019-1-3, class 3.3;
 - Relative air humidity: 5% ... 95%
- Storage:
 - Air temperature: -25°C ... +55°C
acc. to ETS 300 019-1-1, class 1.2;
 - Relative air humidity: 10% ... 100%
- Transport:
 - Air temperature: -25°C ... +70°C
acc. to ETS 300 019-1-2, class 2.2;
 - Relative air humidity: 60% ... 95%

EMC & Safety

- EMC: EN 55022, class B, ITU-T K.20,
ETSI EN 300 386, ETSI ES 201 468
- Safety: EN 60 950

Note: All rights reserved. Subject to modifications due to technical progress. Errors and printing mistakes may occur.

PURCHASE ORDER INFORMATION

Product designation	Order number
FSP2M	6003