DCS 6000 Digital Congress System System Control Units

EX 6010
PS 6000
RP 6004

JB 6002
JB 6004

DCS-LAN Extension Units

The DCS-LAN Extension Units all serves the purpose of making enlargements and comprehensive structuring of the DCS-Local Area Network (LAN). The proprietary DCS-LAN (all digital communication bus) is the sole cable network required for the entire DCS 6000 Digital Congress System, thus all the DCS-LAN extension units can be used throughout the entire network in any combination with any of the DCS 6000 conference units.

The EX 6010 Extension Unit provides power supply, repeater and splitter functions of the DCS-LAN. The EX 6010 is designed for 19" rack mounting.

EX 6010 features:

- Loop through of the DCS-LAN plus 4 independent DCS-LAN repeater ports for 160 or more DCS 6000 conference units.

- Power supply of repeater ports.

- Redundancy enhancement as other repeater ports are unaffected by potential network damage on one repeater port.

- Sequential power-up of each of the four 125 Watt power supplies.

- Standard RJ-45 connector sockets for connection of the DCS-LAN with Cat. 5 cable.

The PS 6000 Power Supply provides additional power for the DCS-LAN. A power supply is required in larger systems with long cables or by high power consumption from conference units, e.g. special custom designed units.

The RP 6004 Repeater unit provides the same repeater functions as provided by the EX 6010. The RP 6004 comes without additional power supply for the DCS-LAN.

The JB 6002/04 Junction Box enables the DCS-LAN to be split into 2 or 4 I/O buffered ports. The JB 6002/04 is used to split the DCS-LAN for tap-out connection of a DCS 6000 conference unit.

JB 6002/04 features:

- Loop through of the DCS-LAN plus 2 or 4 independent DCS-LAN tap-off ports.

- Redundancy enhancement as other tap-off ports are unaffected by potential network damage on one tap-out port.

- Enables single cable connection to each congress unit.

The right combination of the above described extension units enables an extremely flexible cable structure and a virtual redundant DCS 6000 system.

How to order

System Control Units:

EX 6010	5681
PS 6000	5756
RP 6004	5757
JB 6002	5798
JB 6004	5758

Connection Cable for DCS 6000 components:

EC 6000-0,5	EC 6000-10
EC 6000-01	EC 6000-20
EC 6000-05	EC 6000 -50
0,5 m - 50 m. cables	

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JB 6004

Specifications

Common Specifications:

Capacity:

DCS-LAN: Proprietary high speed all digital audio-channel, data and power bus

Cable: Shielded AWG 24 Cat. 5

Audio Frequency Response:
(with POP filter)   125Hz - 16 kHz

THD: < 0,05 %

S/N: >90dBA

EX 6010:

Loop through connection:
2 x RJ-45 for Cat. 5.

Repeater Outputs:
4 x RJ-45 for Cat. 5.

Power Output: 4 x 125 Watt provided through therepeater ports

Mains Power:
90-260 VAC, max. 650W.

Dimension w/o handles:
W x H x D: 475 x 88 x 317 mm

Weight: 8,9 kg.

PS 6000:

Input: 1 x RJ-45 for Cat. 5

Output: 1 x RJ-45 for Cat. 5 125 W.

Mains Power:
90-260 VAC, max. 165W.

Dimensions:
W x H x D: 100 x 50 x 200 mm

Weight: 1,1 kg.

RP 6004 Features:

Loop through connection:
2 x RJ-45 for Cat. 5.

Repeater Outputs:
4 x RJ-45 for Cat. 5.

Dimension:
W x H x D:260 x 40 x 125 mm

Weight: 1,2 kg.

JB 6002/04 Features:

Loop through connection:
2 x RJ-45 for Cat. 5.

Tap-off Outputs:
2 or 4 x RJ-45 for Cat. 5.

Each I/O port can handle one delegate/interpreter unit or 4 channel selectors

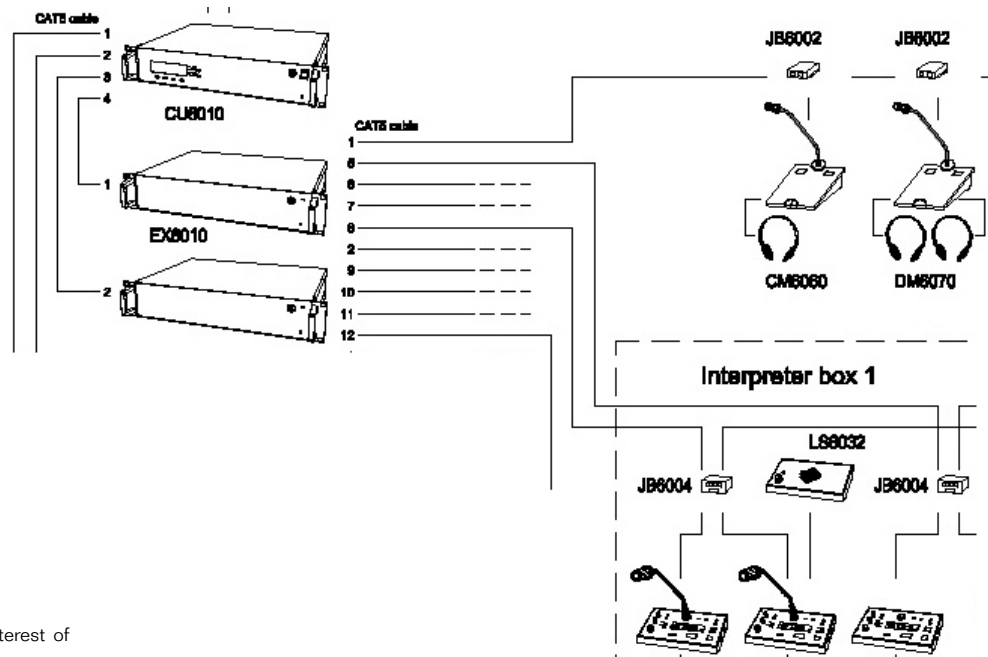### Dimensions (W x H x D):
JB 6002:81 x 24 x 105 mm
JB 6004:96 x 47 x 108 mm

Weight:
JB 6002:   0,2 kg.
JB 6004:   0,4 kg.

Configuration