

## NVX2CAP adapter

Adapter for connecting up to 49 electrodes, including GND with a TouchProof 1.5 mm connector to an amplifier with a DB-25F or KEL50 connector.



### REF

003-6-001

### SET

- NVX2CAP adapter,
- 1.8 m cable for connecting to amplifiers with a DB-25F connector,
- 0.3 m flat cable for connection to amplifiers with a KEL50 connector,
- operational documentation.



### DESCRIPTION

NVX2CAP adapter is a passive adapter (switch) for connecting EEG electrodes with a TouchProof 1.5 mm (DIN 42 802-ST) connector to EEG amplifiers.

NVX2CAP adapter can be used in cases when it is necessary to quickly disconnect or connect patient-mounted electrodes to an EEG amplifier, for example, when registering a somnogram, or when it is necessary to increase the distance from the patient to the amplifier.

Marking of leads on the adapter corresponds to the system 10-10.

### ATTENTION!

-  *Increasing the distance from the electrodes to the amplifier generally increases the level of interference from external sources (pickup) on the signal.*
-  *1.8 m connecting cables used in NVX2CAP have their own inter-wire capacitance up to 200 pF. For example, with an interelectrode resistance of 10 kΩ, the signal will additionally be attenuated by no more than 0.2% at a frequency of 150 Hz, but at a frequency of 80 kHz the attenuation will be already 30%.*

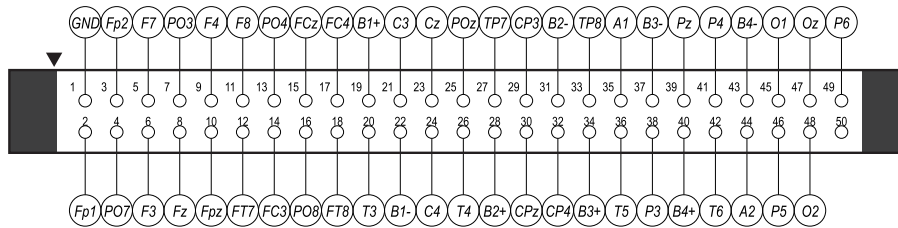


## SPECIFICATION

Connector 1 type (to cap)	49 TouchProof 1.5 mm (DIN 42 802-BU)
Connector 2 type (to amplifier)	DB-25M or KEL50F (8830E-050-170, KEL Corp.)
Maximum number of electrodes to connect	49
Length of cable with DB-25M connector	1.8 ±0.05 m
Length of cable with KEL50F connector	0.3 ±0.02 m
Net weight	< 500 g
Gross weight	< 500 g

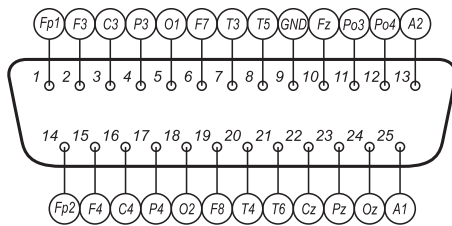
## MAIN PIN LAYOUTS OF COMMON CONNECTOR

### Connector KEL50F (8830E-050-170, KEL Corp.):

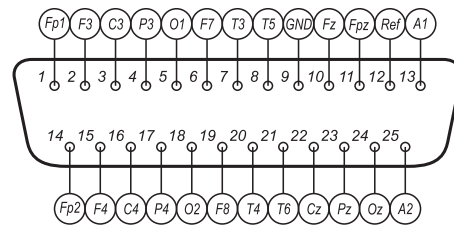


Manufacturer's code 53e-01M49

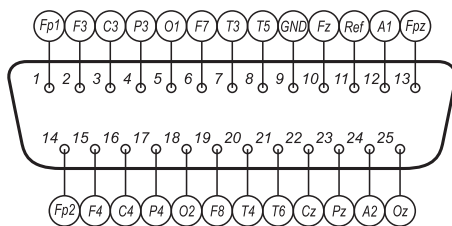
### Connector DB-25 (see model number on a back side):



Model 1  
 (Manufacturer's code 11E-01M25)



Model 2  
 (Manufacturer's code 15E-03M25)



Model 3  
 (Manufacturer's code 15E-02M25)