SIPROTEC 7UW50 tripping matrix

Fig. 11/69 SIPROTEC 7UW50 tripping matrix

Description

The tripping matrix 7UW50 is a component of the Siemens numerical generator protection system. The tripping matrix provides a transparent, easily programmable facility for combining output commands of the trip outputs of individual protection devices with plant items such as the circuit-breakers, de-excitation etc. The matrix was developed for marshalling tripping commands of large power stations.

With its help, the tripping schematic can be temporarily changed, e.g., on the basis of a generator circuit-breaker revision. If the software matrix incorporated in each generator protection unit is used for marshalling the tripping commands, the marshalling in the protection units must be changed for this purpose.

Function overview

Functions

- Hardware tripping matrix
- 28 inputs
- 10 outputs
- One LED is assigned to each input and output

Features

- Easy marshalling of trip signals via diode plugs
- Plexiglass cover prevents unauthorized marshalling

Selection and ordering data

Description	Order No.
7UW50 tripping matrix	**7UW5000 -** □□ **A00**
Rated auxiliary voltage	
DC 60 V, 110 V, 125 V	4
DC 220 V, 250 V	5
Unit design	
For panel surface-mounting	B
For panel flush-mounting or cubicle mounting	C