SIEMENS

SIPROTEC 4 7SD522/523 Multiterminal Differential Relay for Two-Six Line Terminals



Protection Systems
Catalog SIP 5.3 • 1.0

Mechanical construction

Housing 7XP20

1/2 x 19" or 1/1 x 19" Degree of protection to EN 60 529
For the front of the housing

For the rear of the housing

flush mounting version surface mounting version For the terminals

Weight Flush mounting

1/2 x 19'' 1/1 x 19''

Surface mounting 1/2 x 19"

1/1 x 19"

Serial interfaces / front of unit

Operating interface 1 for DIGSI 4 or browser

Connection

Baud rate

Serial interfaces / rear of unit

Time synchronization with IRIG-B signal / DCF77 / SCADA or binary input impulse

Service interface (Operating interface 2) for DIGSI 4 / Modem / Service

System interface IEC60870-5-103 PROFIBUS FMS (*) PPROFIBUS DP (*) DNP 3.0 (*)

Connection

Voltage levels

Isolated RS232/RS485

Dielectric test
Distance for RS232
Distance for RS485, depends on the baud rate

Fiber-optic Optical wavelength Permissible attenuation

Distance

Isolated RS232/RS485 Baud rate
Dielectric test Distance for RS232 Distance for RS485

Fiber-optic

Optical wavelength Permissible attenuation

Distance

see dimension drawings

IP 51

IP 50

IP 51 IP 2x with terminal cover put on

6 kg 10 kg

11 kg 19 kg

9-pin subminiature connector

9-pin subminiature connector 4800 Baud to 115200 Baud

front panel, non isolated, RS 232,

5 V or 12 V or 24 V

9-pin subminiature connector

500 V/ 50 Hz max. 15 m max. 1000 m

integrated ST-connector

max. 8dB for glass-fiber 62.5/125 μm max. 1.5 km

9-pin subminiature connector 4800 Baud to 38400 Baud 500 V / 50 Hz max. 15 m max. 1000 m

integrated ST-connector

 $\lambda = 820 \text{ nm}$

max. 8dB for glass-fiber 62.5/125µm

max. 1.5 km

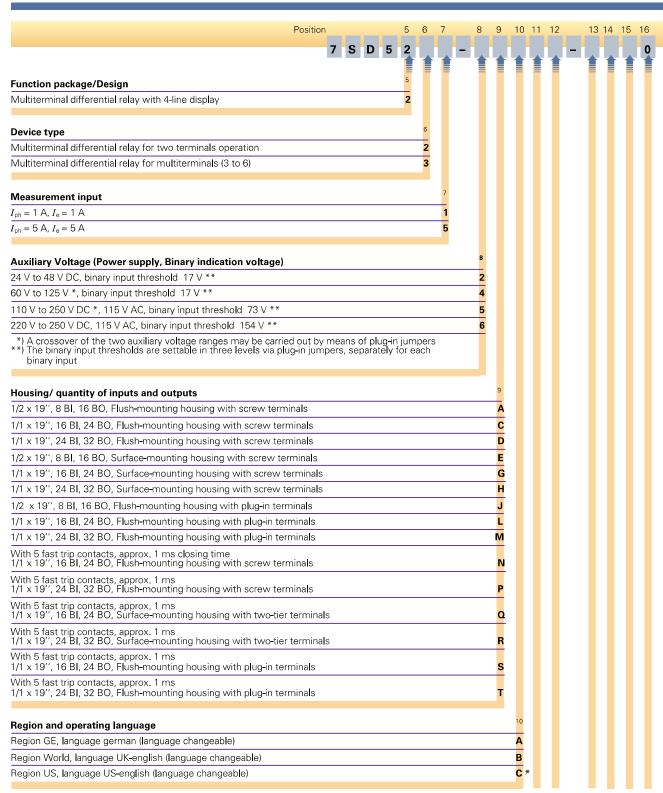
^{*)} available with next firmware release

^{**)} in preparation

SIPROTEC 4 - 7SD522/523

Multiterminal Differential Relay for Two-Six Line Terminals

Selection and ordering data



^{*} English version except both presetting, ANSI-curves, 60 Hz

