

Ordering

The basic version of REL 551 is a phase segregated line differential protection terminal for three-phase tripping. High set instantaneous overcurrent protection are also included.

Ordering Number: 1MRK 000 480-AA

Quantity:
Basic data:

Frequency, f_r 50/60 Hz
Ac voltage, U_r 100/110/115/120 V
Dc voltage, EL 48/60/110/125/220/250 V

Basic data to specify:

Rated current, I_r ☐ 1A ☐ 5A
Interface dc voltage, RL 1 ☐ 24/30 V ☐ 48/60 V ☐ 110/125 V ☐ 220/250 V

Communication modules:

(one and only one alternative must be selected. Optical fibre or electrical cables are not included.)

V.35/36 co-directional galvanic interface ☐ 1MRK 000 185-AA
V.35/36 contra-directional galvanic interface ☐ 1MRK 000 185-BA
X.21 galvanic interface ☐ 1MRK 000 185-CA
RS 530/422 co-directional galvanic interface ☐ 1MRK 000 185-DA
RS 530/422 contra-directional galvanic interface ☐ 1MRK 000 185-EA
Fibre optical modem ☐ 1MRK 000 195-AA
Short range fibre optical modem ☐ 1MRK 000 370-AA
Short range galvanic modem ☐ 1MRK 000 370-BA

Options:

One additional I/O module with 8 binary inputs and 12 signalling output relays

Interface dc voltage, RL2:

☐ 24/30 V ☐ 48/60 V ☐ 110/125 V ☐ 220/250 V
1MRK 000 173-GA 1MRK 000 173-AB 1MRK 000 173-BB 1MRK 000 173-CB

Autoreclosing (only one alternative can be selected):

Three-phase ☐ 1MRK 000 482-AA
Single- and/or three-phase ☐ 1MRK 001 380-AA
Single-phase tripping ☐ 1MRK 000 438-AA
Earth-fault overcurrent protection – non-directional ☐ 1MRK 000 482-BA
Event recorder ☐ 1MRK 000 482-CA
Independent time overcurrent ☐ 1MRK 000 482-DA
Breaker failure protection ☐ 1MRK 000 482-EA
Remote communication (SMS/SCS) ☐ 1MRK 000 482-FA

Disturbance recorder (only one alternative can be selected):

Disturbance recorder ☐ 1MRK 000 482-GA
Disturbance recorder with extended memory ☐ 1MRK 001 377-AA
On line control function (10 signals) ☐ 1MRK 000 482-HA
Simulation logic ☐ 1MRK 000 482-KA

Bus connection unit for remote communication, type SPA-ZC21 (one for each port if used):

Transmitter	Receiver	Quantity:		
Plastic	Plastic	1 <input type="checkbox"/>	2 <input type="checkbox"/>	1MRK 000 194-AA
Plastic	Glass	1 <input type="checkbox"/>	2 <input type="checkbox"/>	1MRK 000 194-BA
Glass	Plastic	1 <input type="checkbox"/>	2 <input type="checkbox"/>	1MRK 000 194-CA
Glass	Glass	1 <input type="checkbox"/>	2 <input type="checkbox"/>	1MRK 000 194-DA

COMBITEST test switch module RTXP 24 mounted with the terminal in RHGS6 case with window door

☐ Internal earthing ☐ External earthing

On/Off switch for the auxiliary dc-supply

☐ 1MRK 000 371-CA

☐ RK795 017-AA

Mounting details with IP40 degree of protection from the front:

19" rack

Wall mounting

Flush mounting

additional for IP54 (protection terminal only)

Semi-flush mounting

additional for IP54 (protection terminal only)

No mounting details

☐ 1MRK 000 020-BR

☐ 1MRK 000 020-DA

☐ 1MRK 000 020-Y

☐ 1MKC 980 001-2

☐ 1MRK 000 020-B5

☐ 1MKC 980 001-2

☐

Accessories:

User's Guide for REL 551

Quantity: 1MRK 506 005-UEN

Front connection cable for PC (Opto/9-pol D-sub)

Quantity: 1MKC 950 001-1

Fibre optic repeater and multiplexer (FOX 20)
available from ABB Netcom

Fibre optic and G 703 converter (FOX 6 PLUS)

V36 to G 703 converter *)

Quantity: 1MRK 001 295-AA

Optical/electric converter for short range optical moden
(dc-supply 48-110 V)

V.35/V.36

Quantity: 1MRK 001 295-CA

X.21/G.703

Quantity: 1MRK 001 295-DA

SMS-BASE Basic program for SMS and PC front connection

Quantity: RS 881 007-AA

SM/REL 551 Software module for SMS-BASE

Quantity: 1MRK 000 314-FB

RECOM Disturbance collection program, version 1.3

Quantity: 1MRK 000 077-DB

REVAL Disturbance evaluation program, english version

Quantity: 1MRK 000 078-AA

CAP 531 - Graphical configuration tool

Quantity: 1MRK 000 876-KA

CAP/REL 551, CAP program module for REL 551 ¹⁾

Quantity: 1MRK 000 876-DA

¹⁾ SMS-BASE and SM/REL 551 is required

For our reference and statistics we would be pleased if we are provided with the following application data:

Country:

End user:

Station name:

Voltage level:

kV

*) Available only for V35/36 Contra-mode.

(For dc-supply 110-250 V an extra dc/dc converter type RXTUG 22H is needed, see 1MRK 513 001-BEN).