### DECISION TABLE FOR SHEETS INCLUDED DEPENDING ON CHOSEN OPTIONS

<table>
<thead>
<tr>
<th>SELECTED TYPE (X)</th>
<th>TYPE OF TERMINAL</th>
<th>SHEETS FROM 1MRK 001531-AC</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>RET 521</td>
<td>2,5</td>
</tr>
<tr>
<td></td>
<td>RET 521 + TEST SWITCH MODULE RTXP 24 (INTERNAL STAR-POINT)</td>
<td>3,4,6</td>
</tr>
</tbody>
</table>

**NOTE!**  
TO EVERY TYPE OF TERMINAL ONE OR TWO ANALOGUE INPUT MODULE (AIM) CAN BE CHOSEN.  
UP TO FOUR BINARY IN, OUT AND/ OR BINARY IN/OUT MODULES CAN BE CHOSEN.  
ONE OF THESE MODULES MAY BE A mA INPUT MODULE.

| 1) | ANALOGUE INPUT MODULE | 7-9 |
| 1) | ANALOGUE INPUT MODULE + TEST SWITCH MODULE RTXP 24 (INTERNAL STAR-POINT) | 7-9 |
| 1) | BINARY IN/OUT MODULE | 10 |
| 1) | BINARY IN/OUT MODULE + TEST SWITCH MODULE RTXP 24 (INT.STAR-POINT) | 11 |
| 1) | BINARY IN 16 MODULE | 12 |
| 1) | BINARY OUT MODULE | 13 |
| 1) | BINARY OUT MODULE + TEST SWITCH MODULE RTXP 24 (INT.STAR-POINT) | 14 |
| 1) mA INPUT MODULE (OPTION MAX 1 PC) | 15 |

1) ONLY ONE CHOICE ELIGIBLE, IF TEST SWITCH IS SELECTED  
IT SHOULD BE SELECTED FOR ALL MODULES.
1 ANALOGUE INPUT MODULE +
1 TEST SWITCH RTXP 24 IN 19" RACK

6U (266,7mm)

WHEN 2 ANALOGUE INPUT MODULES ARE IN USE
IT NEEDS 1 EXTRA TEST SWITCH RTXP 24
MOUNTED BELOW THE 19" RACK

HARDWARE AND DATA

<table>
<thead>
<tr>
<th>INCLUDED</th>
<th>LOCATION</th>
<th>DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>X</td>
<td>1</td>
<td>TEST SWITCH MODULE</td>
</tr>
<tr>
<td></td>
<td>1.101</td>
<td>TEST SWITCH RTXP 24</td>
</tr>
</tbody>
</table>
1) COMMUNICATION PORT TO SCS OR SMS WHEN INCLUDED.

2) COMMUNICATION PORT TO SCS WHEN LON IS INCLUDED.

3) OPTICAL PORT FROM LOCAL HMI, CONNECTION MADE WITH A SPECIAL INTERFACE CABLE.
1) COMMUNICATION PORT TO SCS
   OR SMS WHEN INCLUDED.

2) COMMUNICATION PORT TO SCS
   WHEN LON IS INCLUDED.

3) OPTICAL PORT FROM LOCAL HMI,
   CONNECTION MADE WITH A
   SPECIAL INTERFACE CABLE.

4) NOT CONNECTED WHEN DC-SWITCH
   1.501 IS INCLUDED.

5) DC-SWITCH OPTION
ALTERNATIVE 1)
ONLY ONE ELIGIBLE OF ALTERNATIVES 1, 2 OR 3

WITH TEST SWITCH [TS] RTXP 24 INTERNAL STAR-POINT

GTY OF CURRENTS/VOLTAGES
7l + 3U

INCL. PN XA TS
97 X1 1
97 X1 2

+ CONTACT FOR FREE USE ONLY VALID FOR 2-WINDING

Prep. PTUA/ TPTD Olof Lena
Asp. PTUA/ SA/TD Karlsson Roger
Transformer terminal

Based on ABB Automation Technologies

MRK001531-AC
mA INPUT MODULE

LOCATION, PN

CONFIGURATION

XA

INCL. PN XA  

P12007

18  MI.01
17
16  MI.05
15
14  MI.04
13
12  MI.03
11
10  MI.02
9
8  MI.01
7

1MRK001531-AC

AB Automation Technologies