

Low-Voltage Fuse Systems

LV HRC Fuse Systems

LV HRC signal detectors

Benefits

There are three options for remotely indicating that the fuses of LV HRC fuse links have been tripped:

- 3NX1 021 signal detectors with signal detector links
- Signal detector top with 3NX1 024 rocker
- 5TT3 170 fuse monitors

For further information on fuse monitors, please refer to the chapter "Monitoring devices".

3NX1 021 signal detectors with signal detector links

The 3NX1 021 signal detector supports monitoring of LV HRC fuses of 10 A or higher.

The signal detector top can be used with SIMENS LV HRC fuse links with non-insulated grip lugs, sizes 000 to 2.

This enables simple and cost-effective monitoring of fuse links with front indicator and with combination alarm.

The signal detector link is connected in parallel to the LV HRC fuse link via spring contacts.

In the event of a fault, the LV HRC fuse link is released simultaneously with the LV HRC fuse signaling link. A tripping pin in the LV HRC fuse signaling link switches a microswitch for 250 V AC/6 A.

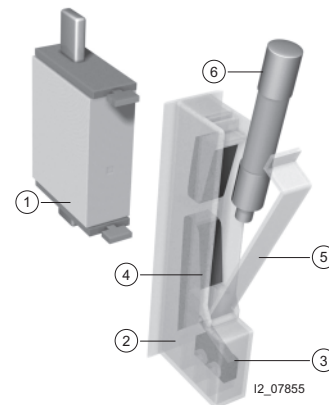
In order to replace the signal detector link, the signal detector is removed from the LV HRC fuse link. It is then off circuit.

3NX1 024 signal detector top

The signal detector top can be used with LV HRC fuse links, sizes 000, 001 and 2, which are equipped with a front indicator, which means they can also be used with fuse links with a combination alarm. The signal detector top can only be used with fuse links with non-insulated grip lugs.

The signal detector top is clipped onto the grip lug at the side of the front indicator. The adjustable tripping lever is positioned so that the end is placed directly above the front indicator. If the fuse is tripped, the front indicator springs open, thus indicating that the fuse link has switched off. The tripped front indicator uses the rocker to activate a microswitch with changeover contact for 230 V AC/5 A.

- ① LV HRC fuse link
- ② Signal detector
- ③ Microswitch
- ④ Spring contact
- ⑤ Hinged lid
- ⑥ Signal detector links



- ① LV HRC fuse link
- ② Front indicator
- ③ Signal detector tops
- ④ Rocker/lever arm

