
Technical Commercial Notice

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Division: Power Products

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Title: New version (V2.2) of the REF601 protection relay on board of side operated circuit breakers

Contents

1. Introduction
 2. Product
 3. Price lists
 4. Availability
 5. Sales support tools
-

1. Introduction

With this Technical-Commercial notice we hereby advise the sales force that, starting from 2015, the secondary distribution side operated circuit breakers will be equipped with the new version of the REF601 relay (V2.2). In particular IEC version is available starting from February and the CEI 0-16 version starting from March.

2. Product

This notice applies to the following series of secondary distribution side operated circuit breakers:

- a) vacuum circuit breakers with right lateral operating mechanism:
 - VD4/R with 230 and 300 mm pole center distance
 - VD4/R-Sec (version for UniSec control panel) with 230 mm pole center distance
 - VD4/S (version for UniSwitch control panel) with 210 mm pole center distance
 - VD4/UniMix (version for UniMix control panel) with 230 mm pole center distance
 - VD4/UniAir (version for UniAir control panel) with 300 mm pole center distance
- b) vacuum circuit breakers with left lateral operating mechanism:
 - VD4/L with 230 and 300 mm pole center distance
 - VD4/L-Sec (version for UniSec control panel) with 230 mm pole center distance
- c) gas circuit breakers with right lateral operating mechanism:
 - HD4/R with 230 and 300 mm pole center distance
 - HD4/R-Sec (version for UniSec switchgear) with 230 mm pole center distance
 - HD4/S (version for UniSwitch switchgear) with 210 mm pole center distance
 - HD4/UniMix (version for UniMix switchgear) with 230 mm pole center distance
 - HD4/UniAir (version for UniAir switchgear) with 300 mm pole center distance

This notice specifically refers to the on-board circuit breaker application of REF601 relays with auxiliary power, of both types: REF601 IEC without communication and REF601 CEI 0-16 without communication.

From 2015 the V1.x version of REF601 without communication assembled on board of secondary distribution circuit-breaker will be replaced by version V2.2 without communication for the same application:

- February: REF601 IEC V1.x → REF601 IEC V2.2
- March: REF601 CEI 0-16 V1.x → REF601 CEI 0-16 V2.2

The V2.2 version of REF601 fitted on circuit breaker maintains the same functionality as the V1.x with the addition of the following main characteristics:

- The auxiliary power supply can be either 50 Hz or 60 Hz
- The relay features built-in TCS function 48-240V (from March)
- Type CEI 0-16 of the REF601 is approved in accordance with the 3rd Ed. of CEI 0-16 2012-12
- The following languages are available for the relay menus: EN, IT, DE, FR, PT, ES

The circuit breakers electrical diagrams have not been changed (diagram number, correspondence between pins and electrical applications, accessories incompatibility), and they are simply updated to enable TCS (48-240V).

Note: because there is no communication card on REF601 CEI 0-16 on board of circuit breaker, the data logger function cannot be used.

3. Price Lists

Please refer to the VD4/R and HD4/R series price list.

4. Availability

The V2.2 version of the REF601 IEC fitted on board of side operated circuit breaker is available from February 2015, and, from the same date, the relevant V1.x version will no longer be available.

The V2.2 version of the REF601 CEI 0-16 fitted on board of side operated circuit breaker is available from March 2015, and, from the same date, the relevant V1.x version will no longer be available.

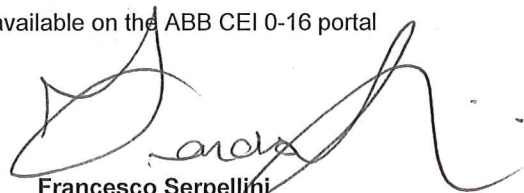
5. Sales support tools

The following documents are available as sales support tools:

- catalog and instruction manual for the VD4/R and HD4/R series
- product guide and user manual for REF601 V2.2 relay
- CEI 0-16 2012-12 (3rd Ed.) declaration of conformity available on the ABB CEI 0-16 portal



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