

Combined RCBO/AFDD

Electronic line voltage dependent device 1P+N (switch neutral) with flying lead insulated flexible copper wire

1. Description

- B or C.....MCB tripping characteristics
-Type A RCDD classification
- 30mA.....Rated residual operating current I_{Δn}
- ~230V/240V.....Rated voltage U, 50/60 Hz
-Rated short circuit breaking capacity (A) / I_{cn}=6000 A
-Energy limiting class
-Ambient temperature range -25°C to +40°C

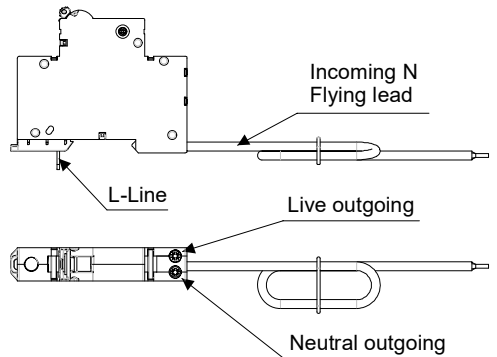
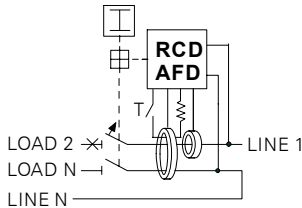


ALWAYS SWITCH OFF THE MAINS POWER BEFORE INSTALLING THIS DEVICE INTO A CONSUMER UNIT



COMPLETE ALL CONNECTIONS, INCLUDING BLUE N FLYING LEAD, BEFORE RESTORING MAINS POWER

2. Connection Diagram



3. Torque settings

	cross section max.	screw torque
Load terminals	16mm ²	1,2Nm - 2Nm

4. Installation Advice

This device must be installed by a qualified skilled person (electrically) in accordance with all relevant regulations including wiring regulations BS7671.

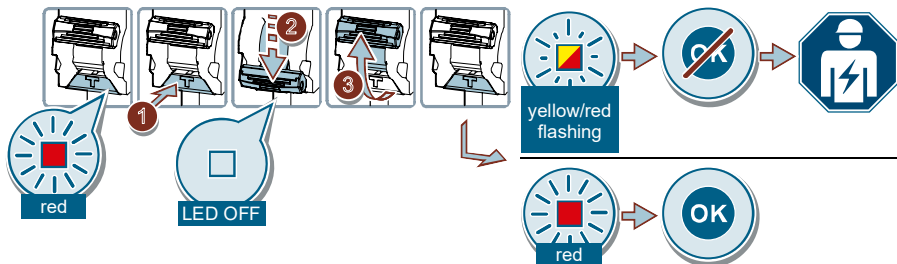
Insulation resistance test:

Switch OFF the device before an insulation resistance test between live conductors of the final load circuit. It is not required to disconnect cables for insulation resistance test of the final load circuit.

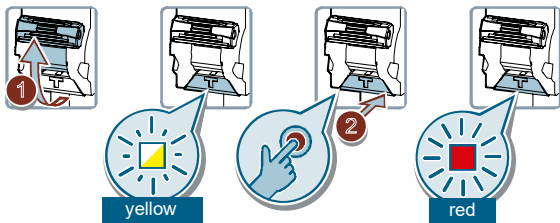
During commissioning the device must be tested using the test button, marked "T"; the device must trip immediately. This test must be repeated throughout the installed life of the device at intervals defined by relevant regulations including wiring regulations BS7671. This verifies the electrical and mechanical parts of the device only.

Only for use within Crabtree Starbreaker Consumer Units.

Test after installation.



Reset



	Device operable
1x	Serial or parallel arc detected
2x	Overvoltage (>285 V)
3x	Residual current detected
	Self test failed
<input type="checkbox"/>	No supply voltage

The interference transmission requirements as defined in the standards CISPR 14-1 and DIN EN 61000-6-3 (limit value class B) must be observed for the devices operated in the electrical installation (equipment). Non-compliant or defective devices (equipment) may cause interference which can influence the response sensitivity of the arc fault detection device.

EN	NOTICE
<p>STM32F4x HAL Driver V1.44 and STF4xx CMSIS Library V2.4.3: Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:</p> <ol style="list-style-type: none"> 1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer. 2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution. 3. Neither the name of STMicroelectronics nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission. <p>THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT HOLDER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.</p> <p>Copyright notices: © COPYRIGHT STMicroelectronics COPYRIGHT © 2016 STMicroelectronics</p> <p>ARM Cortex-M CMSIS Library V4.5.0 Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:</p> <ol style="list-style-type: none"> 1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer. 2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution. 3. Neither the name of ARM nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission. <p>THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL COPYRIGHT HOLDERS AND CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.</p> <p>Copyright notices: Copyright © 2009-2015 ARM LIMITED Copyright © 2010-2014 ARM Limited. Copyright © 2010-2015 ARM Limited.</p>	

Waste electrical products should not be disposed of with household waste. Please recycle where waste disposal facilities exist. Check with your retailer, wholesaler or local authority for recycling advice.

