

INDU-ELECTRIC

Test report according to : VDE 0100- 600
EN 60439-1 (VDE0701-0702)

Page 1 of 2:

Customer :	CAT
Customer Barcode :	1140447
Model :	CAT-RW-2x63-5x32-2014

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Model: CAT-RW-2x63-5x32-2014

Rated Current: 400A

Rated Voltage: 230/400V-

Production Date: 08.2013

Serial No.: 13-2070-322-1



1.0	Visual Test	OK	Fault
1.1	Configuration according drawing	X	
1.2	distance between sockets	X	
1.3	is it possible to open all lids of sockets min 90 degrees	X	
1.4	are all sockets accesable by plugs	X	
1.5	All screws are in the right place	X	
1.6	Phase sequence ok	X	
1.7	Polycarbonate lids are fixed in the right way	X	
1.8	marking of MCB/RCD is according to sockets	X	
1.9	is identification label correct	X	


2.0	mechanical test	OK	Fault
2.1	mechanical operation of all switchgear	X	
2.2	are all screws of sockets fixed	X	
2.3	are the screws of terminal fixed	X	
2.4	Can wires be damaged by mounting front or rear panel	X	
2.5	are all screws of Earth Terminals fixed	X	
2.6	are the ventilation- openings free	X	
2.7	stress relief	X	

3.0	Function- Test RCCB-RCBO		Instrument: UNITEST BH 0100		test-current: 5x IN
Number of drawing	Type	rated trip-voltage mA	rated current A	trip-time mS	trip-current mA
for RCD test results : see attached file printed directly by test instrument BEHA 0100 which did performe the test.					

4.0	Amm-Meter	OK	Fault	5.0	electrical function	OK	Fault
4.1	Type	-----	-----	5.1	Alignment sockets-MCB	X	
4.2	Readings	-----	-----	5.2	Alignment RCD	X	

6.0	Testing-Isolation resistance	Testing -instrument: UNITEST BH 0100
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6.1	Resistance of earth-conductor test voltage 1KV	value <0.300 Ohm	6.2	Isolation-Resistance test voltage 1KV	value >2MOhm
	Reading socket 1	for test results : see attached file printed directly by test instrument BEHA 0100 which did performe the test.		Phase-N	for test results : see attached file printed directly by test instrument BEHA 0100 which did performe the test.
	Reading socket 2			L1-N	
	Reading socket 3			L2-N	
	Reading socket 4			L3-N	
	Reading socket 5				
	Reading socket 6			Phase-Phase	
	Reading socket 7			L1-L2	
	Reading socket 8			L2-L3	
	Reading socket 9			L3-L1	
	Reading socket 10				
	Reading socket 11			Phase/earth	
	Reading socket 12			L1-PE	
	Reading socket 13			L2-PE	
	Reading socket 14			L3-PE	
	Reading socket 15			Neutrall.-PE	
	Reading socket 16			N-PE	

test-engineer	Date	Signed
S. Olszok	31.08.2013	

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Test report according to : VDE 0100- 600
EN 60439-1 (VDE0701-0702)

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Customer :	CAT
Customer Barcode :	1140448 -
Model :	CAT-RW-2x63-5x32-2014

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Model: CAT-RW-2x63-5x32-2014
Rated Current: 400A
Rated Voltage: 230/400V-
Production Date: 08.2013
Serial No.: 13-2070-322-2



1.0	Visual Test	OK	Fault
1.1	Configuration according drawing	X	
1.2	distance between sockets	X	
1.3	is it possible to open all lids of sockets min 90 degrees	X	
1.4	are all sockets accesable by plugs	X	
1.5	All screws are in the right place	X	
1.6	Phase sequence ok	X	
1.7	Polycarbonate lids are fixed in the right way	X	
1.8	marking of MCB/RCD is according to sockets	X	
1.9	is identification label correct	X	


2.0	mechanical test	OK	Fault
2.1	mechanical operation of all switchgear	X	
2.2	are all screws of sockets fixed	X	
2.3	are the screws of terminal fixed	X	
2.4	Can wires be damaged by mounting front or rear panel	X	
2.5	are all screws of Earth Terminals fixed	X	
2.6	are the ventilation- openings free	X	
2.7	stress relief	X	

3.0	Function- Test RCCB-RCBO			Instrument: UNITEST BH 0100	test-current: 5x IN
Number of drawing	Type	rated trip-voltage mA	rated current A	trip-time mS	trip-current mA
for RCD test results : see attached file printed directly by test instrument BEHA 0100 which did performe the test.					

4.0	Amm-Meter	OK	Fault	5.0	electrical function	OK	Fault
4.1	Type	-----	-----	5.1	Alignment sockets-MCB	X	
4.2	Readings	-----	-----	5.2	Alignment RCD	X	

6.0	Testing-Isolation resistance	Testing -instrument: UNITEST BH 0100
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6.1	Resistance of earth-conductor test voltage 1KV	value <0.300 Ohm	6.2	Isolation-Resistance test voltage 1KV	value >2MOhm
	Reading socket 1	for test results : see attached file printed directly by test instrument BEHA 0100 which did performe the test.		Phase-N	for test results : see attached file printed directly by test instrument BEHA 0100 which did performe the test.
	Reading socket 2			L1-N	
	Reading socket 3			L2-N	
	Reading socket 4			L3-N	
	Reading socket 5				
	Reading socket 6			Phase-Phase	
	Reading socket 7			L1-L2	
	Reading socket 8			L2-L3	
	Reading socket 9			L3-L1	
	Reading socket 10				
	Reading socket 11			Phase/earth	
	Reading socket 12			L1-PE	
	Reading socket 13			L2-PE	
	Reading socket 14			L3-PE	
	Reading socket 15			Neutrall.-PE	
	Reading socket 16			N-PE	

test-engineer	Date	Signed
S. Olszok	31.08.2013	

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Test report according to : VDE 0100- 600
EN 60439-1 (VDE0701-0702)

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Customer :	CAT
Customer Barcode :	1140449
Model :	CAT-RW-2x63-5x32-2014

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Model: CAT-RW-2x63-5x32-2014
Rated Current: 400A
Rated Voltage: 230/400V-
Production Date: 08.2013
Serial No.: 13-2070-322-3

CE

1.0	Visual Test	OK	Fault
1.1	Configuration according drawing	X	
1.2	distance between sockets	X	
1.3	is it possible to open all lids of sockets min 90 degrees	X	
1.4	are all sockets accesable by plugs	X	
1.5	All screws are in the right place	X	
1.6	Phase sequence ok	X	
1.7	Polycarbonate lids are fixed in the right way	X	
1.8	marking of MCB/RCD is according to sockets	X	
1.9	is identification label correct	X	


2.0	mechanical test	OK	Fault
2.1	mechanical operation of all switchgear	X	
2.2	are all screws of sockets fixed	X	
2.3	are the screws of terminal fixed	X	
2.4	Can wires be damaged by mounting front or rear panel	X	
2.5	are all screws of Earth Terminals fixed	X	
2.6	are the ventilation- openings free	X	
2.7	stress relief	X	

3.0	Function- Test RCCB-RCBO			Instrument: UNITEST BH 0100	test-current: 5x IN
Number of drawing	Type	rated trip-voltage mA	rated current A	trip-time mS	trip-current mA
for RCD test results : see attached file printed directly by test instrument BEHA 0100 which did performe the test.					

4.0	Amm-Meter	OK	Fault	5.0	electrical function	OK	Fault
4.1	Type	-----	-----	5.1	Alignment sockets-MCB	X	
4.2	Readings	-----	-----	5.2	Alignment RCD	X	

6.0	Testing-Isolation resistance	Testing -instrument: UNITEST BH 0100
-----	------------------------------	--------------------------------------

6.1	Resistance of earth-conductor test voltage 1KV	value <0.300 Ohm	6.2	Isolation-Resistance test voltage 1KV	value >2MOhm
	Reading socket 1	for test results : see attached file printed directly by test instrument BEHA 0100 which did performe the test.		Phase-N	for test results : see attached file printed directly by test instrument BEHA 0100 which did performe the test.
	Reading socket 2			L1-N	
	Reading socket 3			L2-N	
	Reading socket 4			L3-N	
	Reading socket 5				
	Reading socket 6			Phase-Phase	
	Reading socket 7			L1-L2	
	Reading socket 8			L2-L3	
	Reading socket 9			L3-L1	
	Reading socket 10				
	Reading socket 11			Phase/earth	
	Reading socket 12			L1-PE	
	Reading socket 13			L2-PE	
	Reading socket 14			L3-PE	
	Reading socket 15			Neutrall.-PE	
	Reading socket 16			N-PE	

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Test report according to : VDE 0100- 600
EN 60439-1 (VDE0701-0702)

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Customer :	CAT
Customer Barcode :	1140450
Model :	CAT-RW-2x63-5x32-2014

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Model: CAT-RW-2x63-5x32-2014
Rated Current: 400A
Rated Voltage: 230/400V
Production Date: 08.2013
Serial No.: 13-2070-322-4



1.0	Visual Test	OK	Fault
1.1	Configuration according drawing	X	
1.2	distance between sockets	X	
1.3	is it possible to open all lids of sockets min 90 degrees	X	
1.4	are all sockets accesable by plugs	X	
1.5	All screws are in the right place	X	
1.6	Phase sequence ok	X	
1.7	Polycarbonate lids are fixed in the right way	X	
1.8	marking of MCB/RCD is according to sockets	X	
1.9	is identification label correct	X	


2.0	mechanical test	OK	Fault
2.1	mechanical operation of all switchgear	X	
2.2	are all screws of sockets fixed	X	
2.3	are the screws of terminal fixed	X	
2.4	Can wires be damaged by mounting front or rear panel	X	
2.5	are all screws of Earth Terminals fixed	X	
2.6	are the ventilation- openings free	X	
2.7	stress relief	X	

3.0	Function- Test RCCB-RCBO			Instrument: UNITEST BH 0100	test-current: 5x IN
Number of drawing	Type	rated trip-voltage mA	rated current A	trip-time mS	trip-current mA
for RCD test results : see attached file printed directly by test instrument BEHA 0100 which did performe the test.					

4.0	Amm-Meter	OK	Fault	5.0	electrical function	OK	Fault
4.1	Type	-----	-----	5.1	Alignment sockets-MCB	X	
4.2	Readings	-----	-----	5.2	Alignment RCD	X	

6.0	Testing-Isolation resistance	Testing -instrument: UNITEST BH 0100
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6.1 Amp	Resistance of earth-conductor test voltage 1KV	value <0.300 Ohm	6.2	Isolation-Resistance test voltage 1KV	value >2MOhm
	Reading socket 1	for test results : see attached file printed directly by test instrument BEHA 0100 which did performe the test.		Phase-N	for test results : see attached file printed directly by test instrument BEHA 0100 which did performe the test.
	Reading socket 2			L1-N	
	Reading socket 3			L2-N	
	Reading socket 4			L3-N	
	Reading socket 5				
	Reading socket 6			Phase-Phase	
	Reading socket 7			L1-L2	
	Reading socket 8			L2-L3	
	Reading socket 9			L3-L1	
	Reading socket 10				
	Reading socket 11			Phase/earth	
	Reading socket 12			L1-PE	
	Reading socket 13			L2-PE	
	Reading socket 14			L3-PE	
	Reading socket 15			Neutrall.-PE	
	Reading socket 16			N-PE	

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Test report according to : VDE 0100- 600
EN 60439-1 (VDE0701-0702)

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Customer :	CAT
Customer Barcode :	1140451
Model :	CAT-RW-2x63-5x32-2014

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Model: CAT-RW-2x63-5x32-2014
Rated Current: 400A
Rated Voltage: 230/400V-
Production Date: 08.2013
Serial No.: 13-2070-322-5



1.0	Visual Test	OK	Fault
1.1	Configuration according drawing	X	
1.2	distance between sockets	X	
1.3	is it possible to open all lids of sockets min 90 degrees	X	
1.4	are all sockets accesable by plugs	X	
1.5	All screws are in the right place	X	
1.6	Phase sequence ok	X	
1.7	Polycarbonate lids are fixed in the right way	X	
1.8	marking of MCB/RCD is according to sockets	X	
1.9	is identification label correct	X	


2.0	mechanical test	OK	Fault
2.1	mechanical operation of all switchgear	X	
2.2	are all screws of sockets fixed	X	
2.3	are the screws of terminal fixed	X	
2.4	Can wires be damaged by mounting front or rear panel	X	
2.5	are all screws of Earth Terminals fixed	X	
2.6	are the ventilation- openings free	X	
2.7	stress relief	X	

3.0	Function- Test RCCB-RCBO			Instrument: UNITEST BH 0100	test-current: 5x IN
Number of drawing	Type	rated trip-voltage mA	rated current A	trip-time mS	trip-current mA
for RCD test results : see attached file printed directly by test instrument BEHA 0100 which did performe the test.					

4.0	Amm-Meter	OK	Fault	5.0	electrical function	OK	Fault
4.1	Type	-----	-----	5.1	Alignment sockets-MCB	X	
4.2	Readings	-----	-----	5.2	Alignment RCD	X	

6.0	Testing-Isolation resistance	Testing -instrument: UNITEST BH 0100
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6.1 Amp	Resistance of earth-conductor test voltage 1KV	value <0.300 Ohm	6.2	Isolation-Resistance test voltage 1KV	value >2MOhm
	Reading socket 1	for test results : see attached file printed directly by test instrument BEHA 0100 which did performe the test.		Phase-N	for test results : see attached file printed directly by test instrument BEHA 0100 which did performe the test.
	Reading socket 2			L1-N	
	Reading socket 3			L2-N	
	Reading socket 4			L3-N	
	Reading socket 5				
	Reading socket 6			Phase-Phase	
	Reading socket 7			L1-L2	
	Reading socket 8			L2-L3	
	Reading socket 9			L3-L1	
	Reading socket 10				
	Reading socket 11			Phase/earth	
	Reading socket 12			L1-PE	
	Reading socket 13			L2-PE	
	Reading socket 14			L3-PE	
	Reading socket 15			Neutrall.-PE	
	Reading socket 16			N-PE	

test-engineer	Date	Signed
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Test report according to : VDE 0100- 600
EN 60439-1 (VDE0701-0702)

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Customer :	CAT
Customer Barcode :	1140452
Model :	CAT-RW-2x63-5x32-2014

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Model: CAT-RW-2x63-5x32-2014
Rated Current: 400A
Rated Voltage: 230/400V-
Production Date: 08.2013
Serial No.: 13-2070-322-6



1.0	Visual Test	OK	Fault
1.1	Configuration according drawing	X	
1.2	distance between sockets	X	
1.3	is it possible to open all lids of sockets min 90 degrees	X	
1.4	are all sockets accesable by plugs	X	
1.5	All screws are in the right place	X	
1.6	Phase sequence ok	X	
1.7	Polycarbonate lids are fixed in the right way	X	
1.8	marking of MCB/RCD is according to sockets	X	
1.9	is identification label correct	X	


2.0	mechanical test	OK	Fault
2.1	mechanical operation of all switchgear	X	
2.2	are all screws of sockets fixed	X	
2.3	are the screws of terminal fixed	X	
2.4	Can wires be damaged by mounting front or rear panel	X	
2.5	are all screws of Earth Terminals fixed	X	
2.6	are the ventilation- openings free	X	
2.7	stress relief	X	

3.0	Function- Test RCCB-RCBO			Instrument: UNITEST BH 0100	test-current: 5x IN
Number of drawing	Type	rated trip-voltage mA	rated current A	trip-time mS	trip-current mA
for RCD test results : see attached file printed directly by test instrument BEHA 0100 which did performe the test.					

4.0	Amm-Meter	OK	Fault	5.0	electrical function	OK	Fault
4.1	Type	-----	-----	5.1	Alignment sockets-MCB	X	
4.2	Readings	-----	-----	5.2	Alignment RCD	X	

6.0	Testing-Isolation resistance	Testing -instrument: UNITEST BH 0100
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6.1	Resistance of earth-conductor test voltage 1KV	value <0.300 Ohm	6.2	Isolation-Resistance test voltage 1KV	value >2MOhm
	Reading socket 1	for test results : see attached file printed directly by test instrument BEHA 0100 which did performe the test.		Phase-N	for test results : see attached file printed directly by test instrument BEHA 0100 which did performe the test.
	Reading socket 2			L1-N	
	Reading socket 3			L2-N	
	Reading socket 4			L3-N	
	Reading socket 5				
	Reading socket 6			Phase-Phase	
	Reading socket 7			L1-L2	
	Reading socket 8			L2-L3	
	Reading socket 9			L3-L1	
	Reading socket 10				
	Reading socket 11			Phase/earth	
	Reading socket 12			L1-PE	
	Reading socket 13			L2-PE	
	Reading socket 14			L3-PE	
	Reading socket 15			Neutrall.-PE	
	Reading socket 16			N-PE	

test-engineer	Date	Signed
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Test report according to : VDE 0100- 600
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Customer :	CAT
Customer Barcode :	1140453
Model :	CAT-RW-2x63-5x32-2014

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Model: CAT-RW-2x63-5x32-2014
Rated Current: 400A
Rated Voltage: 230/400V-
Production Date: 08.2013
Serial No.: 13-2070-322-7

CE

1.0	Visual Test	OK	Fault
1.1	Configuration according drawing	X	
1.2	distance between sockets	X	
1.3	is it possible to open all lids of sockets min 90 degrees	X	
1.4	are all sockets accesable by plugs	X	
1.5	All screws are in the right place	X	
1.6	Phase sequence ok	X	
1.7	Polycarbonate lids are fixed in the right way	X	
1.8	marking of MCB/RCD is according to sockets	X	
1.9	is identification label correct	X	


2.0	mechanical test	OK	Fault
2.1	mechanical operation of all switchgear	X	
2.2	are all screws of sockets fixed	X	
2.3	are the screws of terminal fixed	X	
2.4	Can wires be damaged by mounting front or rear panel	X	
2.5	are all screws of Earth Terminals fixed	X	
2.6	are the ventilation- openings free	X	
2.7	stress relief	X	

3.0	Function- Test RCCB-RCBO		Instrument: UNITEST BH 0100	test-current: 5x IN	
Number of drawing	Type	rated trip-voltage mA	rated current A	trip-time mS	trip-current mA
for RCD test results : see attached file printed directly by test instrument BEHA 0100 which did performe the test.					

4.0	Amm-Meter	OK	Fault	5.0	electrical function	OK	Fault
4.1	Type	-----	-----	5.1	Alignment sockets-MCB	X	
4.2	Readings	-----	-----	5.2	Alignment RCD	X	

6.0	Testing-Isolation resistance	Testing -instrument: UNITEST BH 0100
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6.1 Amp	Resistance of earth-conductor test voltage 1KV	value <0.300 Ohm	6.2	Isolation-Resistance test voltage 1KV	value >2MOhm
	Reading socket 1	for test results : see attached file printed directly by test instrument BEHA 0100 which did performe the test.		Phase-N	for test results : see attached file printed directly by test instrument BEHA 0100 which did performe the test.
	Reading socket 2			L1-N	
	Reading socket 3			L2-N	
	Reading socket 4			L3-N	
	Reading socket 5				
	Reading socket 6			Phase-Phase	
	Reading socket 7			L1-L2	
	Reading socket 8			L2-L3	
	Reading socket 9			L3-L1	
	Reading socket 10				
	Reading socket 11			Phase/earth	
	Reading socket 12			L1-PE	
	Reading socket 13			L2-PE	
	Reading socket 14			L3-PE	
	Reading socket 15			Neutrall.-PE	
	Reading socket 16			N-PE	

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Test report according to : VDE 0100- 600
EN 60439-1 (VDE0701-0702)

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Customer :	CAT
Customer Barcode :	1140454
Model :	CAT-RW-2x63-5x32-2014

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Model: CAT-RW-2x63-5x32-2014
Rated Current: 400A
Rated Voltage: 230/400V-
Production Date: 08.2013
Serial No.: 13-2070-322-8



1.0	Visual Test	OK	Fault
1.1	Configuration according drawing	X	
1.2	distance between sockets	X	
1.3	is it possible to open all lids of sockets min 90 degrees	X	
1.4	are all sockets accesable by plugs	X	
1.5	All screws are in the right place	X	
1.6	Phase sequence ok	X	
1.7	Polycarbonate lids are fixed in the right way	X	
1.8	marking of MCB/RCD is according to sockets	X	
1.9	is identification label correct	X	


2.0	mechanical test	OK	Fault
2.1	mechanical operation of all switchgear	X	
2.2	are all screws of sockets fixed	X	
2.3	are the screws of terminal fixed	X	
2.4	Can wires be damaged by mounting front or rear panel	X	
2.5	are all screws of Earth Terminals fixed	X	
2.6	are the ventilation- openings free	X	
2.7	stress relief	X	

3.0	Function- Test RCCB-RCBO			Instrument: UNITEST BH 0100	test-current: 5x IN
Number of drawing	Type	rated trip-voltage mA	rated current A	trip-time mS	trip-current mA
for RCD test results : see attached file printed directly by test instrument BEHA 0100 which did performe the test.					

4.0	Amm-Meter	OK	Fault	5.0	electrical function	OK	Fault
4.1	Type	-----	-----	5.1	Alignment sockets-MCB	X	
4.2	Readings	-----	-----	5.2	Alignment RCD	X	

6.0	Testing-Isolation resistance	Testing -instrument: UNITEST BH 0100
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6.1	Resistance of earth-conductor test voltage 1KV	value <0.300 Ohm	6.2	Isolation-Resistance test voltage 1KV	value >2MOhm
	Reading socket 1	for test results : see attached file printed directly by test instrument BEHA 0100 which did performe the test.		Phase-N	for test results : see attached file printed directly by test instrument BEHA 0100 which did performe the test.
	Reading socket 2			L1-N	
	Reading socket 3			L2-N	
	Reading socket 4			L3-N	
	Reading socket 5				
	Reading socket 6			Phase-Phase	
	Reading socket 7			L1-L2	
	Reading socket 8			L2-L3	
	Reading socket 9			L3-L1	
	Reading socket 10				
	Reading socket 11			Phase/earth	
	Reading socket 12			L1-PE	
	Reading socket 13			L2-PE	
	Reading socket 14			L3-PE	
	Reading socket 15			Neutrall.-PE	
	Reading socket 16			N-PE	

test-engineer	Date	Signed
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Model: CAT-RW-2x63-5x32-2014
 Rated Current: 400A
 Rated Voltage: 230/400V-
 Production Date: 08.2013
 Serial No.: 13-2070-322-9



Customer :	CAT
Customer Barcode :	1140455
Model :	CAT-RW-2x63-5x32-2014

1.0	Visual Test	OK	Fault
1.1	Configuration according drawing	X	
1.2	distance between sockets	X	
1.3	is it possible to open all lids of sockets min 90 degrees	X	
1.4	are all sockets accesable by plugs	X	
1.5	All screws are in the right place	X	
1.6	Phase sequence ok	X	
1.7	Polycarbonate lids are fixed in the right way	X	
1.8	marking of MCB/RCD is according to sockets	X	
1.9	is identification label correct	X	


2.0	mechanical test	OK	Fault
2.1	mechanical operation of all switchgear	X	
2.2	are all screws of sockets fixed	X	
2.3	are the screws of terminal fixed	X	
2.4	Can wires be damaged by mounting front or rear panel	X	
2.5	are all screws of Earth Terminals fixed	X	
2.6	are the ventilation- openings free	X	
2.7	stress relief	X	

3.0	Function- Test RCCB-RCBO		Instrument: UNITEST BH 0100		test-current: 5x IN
Number of drawing	Type	rated trip-voltage mA	rated current A	trip-time mS	trip-current mA
	for RCD test results : see attached file printed directly by test instrument BEHA 0100 which did performe the test.				

4.0	Amm-Meter	OK	Fault	5.0	electrical function	OK	Fault
4.1	Type	-----	-----	5.1	Alignment sockets-MCB	X	
4.2	Readings	-----	-----	5.2	Alignment RCD	X	

6.0	Testing-Isolation resistance	Testing -instrument: UNITEST BH 0100
-----	------------------------------	--------------------------------------


6.1 Amp	Resistance of earth-conductor test voltage 1KV	value <0.300 Ohm	6.2	Isolation-Resistance test voltage 1KV	value >2MOhm
	Reading socket 1	for test results : see attached file printed directly by test instrument BEHA 0100 which did performe the test.		Phase-N	for test results : see attached file printed directly by test instrument BEHA 0100 which did performe the test.
	Reading socket 2			L1-N	
	Reading socket 3			L2-N	
	Reading socket 4			L3-N	
	Reading socket 5				
	Reading socket 6			Phase-Phase	
	Reading socket 7			L1-L2	
	Reading socket 8			L2-L3	
	Reading socket 9			L3-L1	
	Reading socket 10				
	Reading socket 11			Phase/earth	
	Reading socket 12			L1-PE	
	Reading socket 13			L2-PE	
	Reading socket 14			L3-PE	
	Reading socket 15			Neutrall.-PE	
	Reading socket 16			N-PE	

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S. Olszok	31.08.2013	

4.0	Amm-Meter	OK	Fault	5.0	electrical function	OK	Fault
4.1	Type	-----	-----	5.1	Alignment sockets-MCB	X	
4.2	Readings	-----	-----	5.2	Alignment RCD	X	

6.0	Testing-Isolation resistance	Testing -instrument: UNITEST BH 0100
-----	------------------------------	--------------------------------------

6.1	Resistance of earth-conductor test voltage 1KV	value <0.300 Ohm	6.2	Isolation-Resistance test voltage 1KV	value >2MOhm
	Reading socket 1	for test results : see attached file printed directly by test instrument BEHA 0100 which did performe the test.		Phase-N	for test results : see attached file printed directly by test instrument BEHA 0100 which did performe the test.
	Reading socket 2			L1-N	
	Reading socket 3			L2-N	
	Reading socket 4			L3-N	
	Reading socket 5				
	Reading socket 6			Phase-Phase	
	Reading socket 7			L1-L2	
	Reading socket 8			L2-L3	
	Reading socket 9			L3-L1	
	Reading socket 10				
	Reading socket 11			Phase/earth	
	Reading socket 12			L1-PE	
	Reading socket 13			L2-PE	
	Reading socket 14			L3-PE	
	Reading socket 15			Neutrall.-PE	
	Reading socket 16			N-PE	

test-engineer	Date	Signed
S. Olszok	31.08.2013	

INDU-ELECTRIC

Test report according to : VDE 0100- 600
EN 60439-1 (VDE0701-0702)

Page 1 of 2:

Customer :	CAT
Customer Barcode :	1140457
Model :	CAT-RW-2x63-5x32-2014

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www.indu-electric.com



Model: CAT-RW-2x63-5x32-2014
Rated Current: 400A
Rated Voltage: 230/400V-
Production Date: 08.2013
Serial No.: 13-2070-322-11



1.0	Visual Test	OK	Fault
1.1	Configuration according drawing	X	
1.2	distance between sockets	X	
1.3	is it possible to open all lids of sockets min 90 degrees	X	
1.4	are all sockets accesable by plugs	X	
1.5	All screws are in the right place	X	
1.6	Phase sequence ok	X	
1.7	Polycarbonate lids are fixed in the right way	X	
1.8	marking of MCB/RCD is according to sockets	X	
1.9	is identification label correct	X	


2.0	mechanical test	OK	Fault
2.1	mechanical operation of all switchgear	X	
2.2	are all screws of sockets fixed	X	
2.3	are the screws of terminal fixed	X	
2.4	Can wires be damaged by mounting front or rear panel	X	
2.5	are all screws of Earth Terminals fixed	X	
2.6	are the ventilation- openings free	X	
2.7	stress relief	X	

3.0	Function- Test RCCB-RCBO		Instrument: UNITEST BH 0100		test-current: 5x IN
Number of drawing	Type	rated trip-voltage mA	rated current A	trip-time mS	trip-current mA
for RCD test results : see attached file printed directly by test instrument BEHA 0100 which did performe the test.					

4.0	Amm-Meter	OK	Fault	5.0	electrical function	OK	Fault
4.1	Type	-----	-----	5.1	Alignment sockets-MCB	X	
4.2	Readings	-----	-----	5.2	Alignment RCD	X	

6.0	Testing-Isolation resistance	Testing -instrument: UNITEST BH 0100
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6.1	Resistance of earth-conductor test voltage 1KV	value <0.300 Ohm	6.2	Isolation-Resistance test voltage 1KV	value >2MOhm
	Reading socket 1	for test results : see attached file printed directly by test instrument BEHA 0100 which did performe the test.		Phase-N	for test results : see attached file printed directly by test instrument BEHA 0100 which did performe the test.
	Reading socket 2			L1-N	
	Reading socket 3			L2-N	
	Reading socket 4			L3-N	
	Reading socket 5				
	Reading socket 6			Phase-Phase	
	Reading socket 7			L1-L2	
	Reading socket 8			L2-L3	
	Reading socket 9			L3-L1	
	Reading socket 10				
	Reading socket 11			Phase/earth	
	Reading socket 12			L1-PE	
	Reading socket 13			L2-PE	
	Reading socket 14			L3-PE	
	Reading socket 15			Neutrall.-PE	
	Reading socket 16			N-PE	

test-engineer	Date	Signed
S. Olszok	31.08.2013	

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Test report according to : VDE 0100- 600
EN 60439-1 (VDE0701-0702)

Page 1 of 2:

Customer :	CAT
Customer Barcode :	1140458
Model :	CAT-RW-2x63-5x32-2014

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Model: CAT-RW-2x63-5x32-2014

Rated Current: 400A

Rated Voltage: 230/400V-

Production Date: 08.2013

Serial No.: 13-2070-322-12



1.0	Visual Test	OK	Fault
1.1	Configuration according drawing	X	
1.2	distance between sockets	X	
1.3	is it possible to open all lids of sockets min 90 degrees	X	
1.4	are all sockets accesable by plugs	X	
1.5	All screws are in the right place	X	
1.6	Phase sequence ok	X	
1.7	Polycarbonate lids are fixed in the right way	X	
1.8	marking of MCB/RCD is according to sockets	X	
1.9	is identification label correct	X	


2.0	mechanical test	OK	Fault
2.1	mechanical operation of all switchgear	X	
2.2	are all screws of sockets fixed	X	
2.3	are the screws of terminal fixed	X	
2.4	Can wires be damaged by mounting front or rear panel	X	
2.5	are all screws of Earth Terminals fixed	X	
2.6	are the ventilation- openings free	X	
2.7	stress relief	X	

3.0	Function- Test RCCB-RCBO			Instrument: UNITEST BH 0100	test-current: 5x IN
Number of drawing	Type	rated trip-voltage mA	rated current A	trip-time mS	trip-current mA
for RCD test results : see attached file printed directly by test instrument BEHA 0100 which did performe the test.					

4.0	Amm-Meter	OK	Fault	5.0	electrical function	OK	Fault
4.1	Type	-----	-----	5.1	Alignment sockets-MCB	X	
4.2	Readings	-----	-----	5.2	Alignment RCD	X	

6.0	Testing-Isolation resistance	Testing -instrument: UNITEST BH 0100
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6.1 Amp	Resistance of earth-conductor test voltage 1KV	value <0.300 Ohm	6.2	Isolation-Resistance test voltage 1KV	value >2MOhm
	Reading socket 1	for test results : see attached file printed directly by test instrument BEHA 0100 which did performe the test.		Phase-N	for test results : see attached file printed directly by test instrument BEHA 0100 which did performe the test.
	Reading socket 2			L1-N	
	Reading socket 3			L2-N	
	Reading socket 4			L3-N	
	Reading socket 5				
	Reading socket 6			Phase-Phase	
	Reading socket 7			L1-L2	
	Reading socket 8			L2-L3	
	Reading socket 9			L3-L1	
	Reading socket 10				
	Reading socket 11			Phase/earth	
	Reading socket 12			L1-PE	
	Reading socket 13			L2-PE	
	Reading socket 14			L3-PE	
	Reading socket 15			Neutrall.-PE	
	Reading socket 16			N-PE	

test-engineer	Date	Signed
S. Olszok	31.08.2013	

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Test report according to : VDE 0100- 600
EN 60439-1 (VDE0701-0702)

Page 1 of 2:

Customer :	CAT
Customer Barcode :	1140459
Model :	CAT-RW-2x63-5x32-2014

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Model: CAT-RW-2x63-5x32-2014
Rated Current: 400A
Rated Voltage: 230/400V-
Production Date: 08.2013
Serial No.: 13-2070-322-13



1.0	Visual Test	OK	Fault
1.1	Configuration according drawing	X	
1.2	distance between sockets	X	
1.3	is it possible to open all lids of sockets min 90 degrees	X	
1.4	are all sockets accesable by plugs	X	
1.5	All screws are in the right place	X	
1.6	Phase sequence ok	X	
1.7	Polycarbonate lids are fixed in the right way	X	
1.8	marking of MCB/RCD is according to sockets	X	
1.9	is identification label correct	X	


2.0	mechanical test	OK	Fault
2.1	mechanical operation of all switchgear	X	
2.2	are all screws of sockets fixed	X	
2.3	are the screws of terminal fixed	X	
2.4	Can wires be damaged by mounting front or rear panel	X	
2.5	are all screws of Earth Terminals fixed	X	
2.6	are the ventilation- openings free	X	
2.7	stress relief	X	

3.0	Function- Test RCCB-RCBO			Instrument: UNITEST BH 0100	test-current: 5x IN
Number of drawing	Type	rated trip-voltage mA	rated current A	trip-time mS	trip-current mA
for RCD test results : see attached file printed directly by test instrument BEHA 0100 which did performe the test.					

4.0	Amm-Meter	OK	Fault	5.0	electrical function	OK	Fault
4.1	Type	-----	-----	5.1	Alignment sockets-MCB	X	
4.2	Readings	-----	-----	5.2	Alignment RCD	X	

6.0	Testing-Isolation resistance	Testing -instrument: UNITEST BH 0100
-----	------------------------------	--------------------------------------

6.1	Resistance of earth-conductor test voltage 1KV	value <0.300 Ohm	6.2	Isolation-Resistance test voltage 1KV	value >2MOhm
	Reading socket 1	for test results : see attached file printed directly by test instrument BEHA 0100 which did performe the test.		Phase-N	for test results : see attached file printed directly by test instrument BEHA 0100 which did performe the test.
	Reading socket 2			L1-N	
	Reading socket 3			L2-N	
	Reading socket 4			L3-N	
	Reading socket 5				
	Reading socket 6			Phase-Phase	
	Reading socket 7			L1-L2	
	Reading socket 8			L2-L3	
	Reading socket 9			L3-L1	
	Reading socket 10				
	Reading socket 11			Phase/earth	
	Reading socket 12			L1-PE	
	Reading socket 13			L2-PE	
	Reading socket 14			L3-PE	
	Reading socket 15			Neutrall.-PE	
	Reading socket 16			N-PE	

test-engineer	Date	Signed
S. Olszok	31.08.2013	

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Test report according to : VDE 0100- 600
EN 60439-1 (VDE0701-0702)

Page 1 of 2:

Customer :	CAT
Customer Barcode :	1140460
Model :	CAT-RW-2x63-5x32-2014

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Model: CAT-RW-2x63-5x32-2014
Rated Current: 400A
Rated Voltage: 230/400V-
Production Date: 08.2013
Serial No.: 13-2070-322-14



1.0	Visual Test	OK	Fault
1.1	Configuration according drawing	X	
1.2	distance between sockets	X	
1.3	is it possible to open all lids of sockets min 90 degrees	X	
1.4	are all sockets accesable by plugs	X	
1.5	All screws are in the right place	X	
1.6	Phase sequence ok	X	
1.7	Polycarbonate lids are fixed in the right way	X	
1.8	marking of MCB/RCD is according to sockets	X	
1.9	is identification label correct	X	


2.0	mechanical test	OK	Fault
2.1	mechanical operation of all switchgear	X	
2.2	are all screws of sockets fixed	X	
2.3	are the screws of terminal fixed	X	
2.4	Can wires be damaged by mounting front or rear panel	X	
2.5	are all screws of Earth Terminals fixed	X	
2.6	are the ventilation- openings free	X	
2.7	stress relief	X	

3.0	Function- Test RCCB-RCBO			Instrument: UNITEST BH 0100	test-current: 5x IN
Number of drawing	Type	rated trip-voltage mA	rated current A	trip-time mS	trip-current mA
for RCD test results : see attached file printed directly by test instrument BEHA 0100 which did performe the test.					

4.0	Amm-Meter	OK	Fault	5.0	electrical function	OK	Fault
4.1	Type	-----	-----	5.1	Alignment sockets-MCB	X	
4.2	Readings	-----	-----	5.2	Alignment RCD	X	

6.0	Testing-Isolation resistance	Testing -instrument: UNITEST BH 0100
-----	------------------------------	--------------------------------------

6.1	Resistance of earth-conductor test voltage 1KV	value <0.300 Ohm	6.2	Isolation-Resistance test voltage 1KV	value >2MOhm
	Reading socket 1	for test results : see attached file printed directly by test instrument BEHA 0100 which did performe the test.		Phase-N	for test results : see attached file printed directly by test instrument BEHA 0100 which did performe the test.
	Reading socket 2			L1-N	
	Reading socket 3			L2-N	
	Reading socket 4			L3-N	
	Reading socket 5				
	Reading socket 6			Phase-Phase	
	Reading socket 7			L1-L2	
	Reading socket 8			L2-L3	
	Reading socket 9			L3-L1	
	Reading socket 10				
	Reading socket 11			Phase/earth	
	Reading socket 12			L1-PE	
	Reading socket 13			L2-PE	
	Reading socket 14			L3-PE	
	Reading socket 15			Neutrall.-PE	
	Reading socket 16			N-PE	

test-engineer	Date	Signed
S. Olszok	31.08.2013	

INDU-ELECTRIC

Test report according to : VDE 0100- 600
EN 60439-1 (VDE0701-0702)

Page 1 of 2:

Customer :	CAT
Customer Barcode :	1140461
Model :	CAT-RW-2x63-5x32-2014

INDU-ELECTRIC North America
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Model: CAT-RW-2x63-5x32-2014
Rated Current: 400A
Rated Voltage: 230/400V-
Production Date: 08.2013
Serial No.: 13-2070-322-15



1.0	Visual Test	OK	Fault
1.1	Configuration according drawing	X	
1.2	distance between sockets	X	
1.3	is it possible to open all lids of sockets min 90 degrees	X	
1.4	are all sockets accesable by plugs	X	
1.5	All screws are in the right place	X	
1.6	Phase sequence ok	X	
1.7	Polycarbonate lids are fixed in the right way	X	
1.8	marking of MCB/RCD is according to sockets	X	
1.9	is identification label correct	X	

2.0	mechanical test	OK	Fault
2.1	mechanical operation of all switchgear	X	
2.2	are all screws of sockets fixed	X	
2.3	are the screws of terminal fixed	X	
2.4	Can wires be damaged by mounting front or rear panel	X	
2.5	are all screws of Earth Terminals fixed	X	
2.6	are the ventilation- openings free	X	
2.7	stress relief	X	

3.0	Function- Test RCCB-RCBO			Instrument: UNITEST BH 0100	test-current: 5x IN
Number of drawing	Type	rated trip-voltage mA	rated current A	trip-time mS	trip-current mA
for RCD test results : see attached file printed directly by test instrument BEHA 0100 which did performe the test.					

4.0	Amm-Meter	OK	Fault	5.0	electrical function	OK	Fault
4.1	Type	-----	-----	5.1	Alignment sockets-MCB	X	
4.2	Readings	-----	-----	5.2	Alignment RCD	X	

6.0	Testing-Isolation resistance	Testing -instrument: UNITEST BH 0100
-----	------------------------------	--------------------------------------

6.1	Resistance of earth-conductor test voltage 1KV	value <0.300 Ohm	6.2	Isolation-Resistance test voltage 1KV	value >2MOhm
	Reading socket 1	for test results : see attached file printed directly by test instrument BEHA 0100 which did performe the test.		Phase-N	for test results : see attached file printed directly by test instrument BEHA 0100 which did performe the test.
	Reading socket 2			L1-N	
	Reading socket 3			L2-N	
	Reading socket 4			L3-N	
	Reading socket 5				
	Reading socket 6			Phase-Phase	
	Reading socket 7			L1-L2	
	Reading socket 8			L2-L3	
	Reading socket 9			L3-L1	
	Reading socket 10				
	Reading socket 11			Phase/earth	
	Reading socket 12			L1-PE	
	Reading socket 13			L2-PE	
	Reading socket 14			L3-PE	
	Reading socket 15			Neutrall.-PE	
	Reading socket 16			N-PE	

test-engineer	Date	Signed
S. Olszok	31.08.2013	