

Breaker test report

GRID

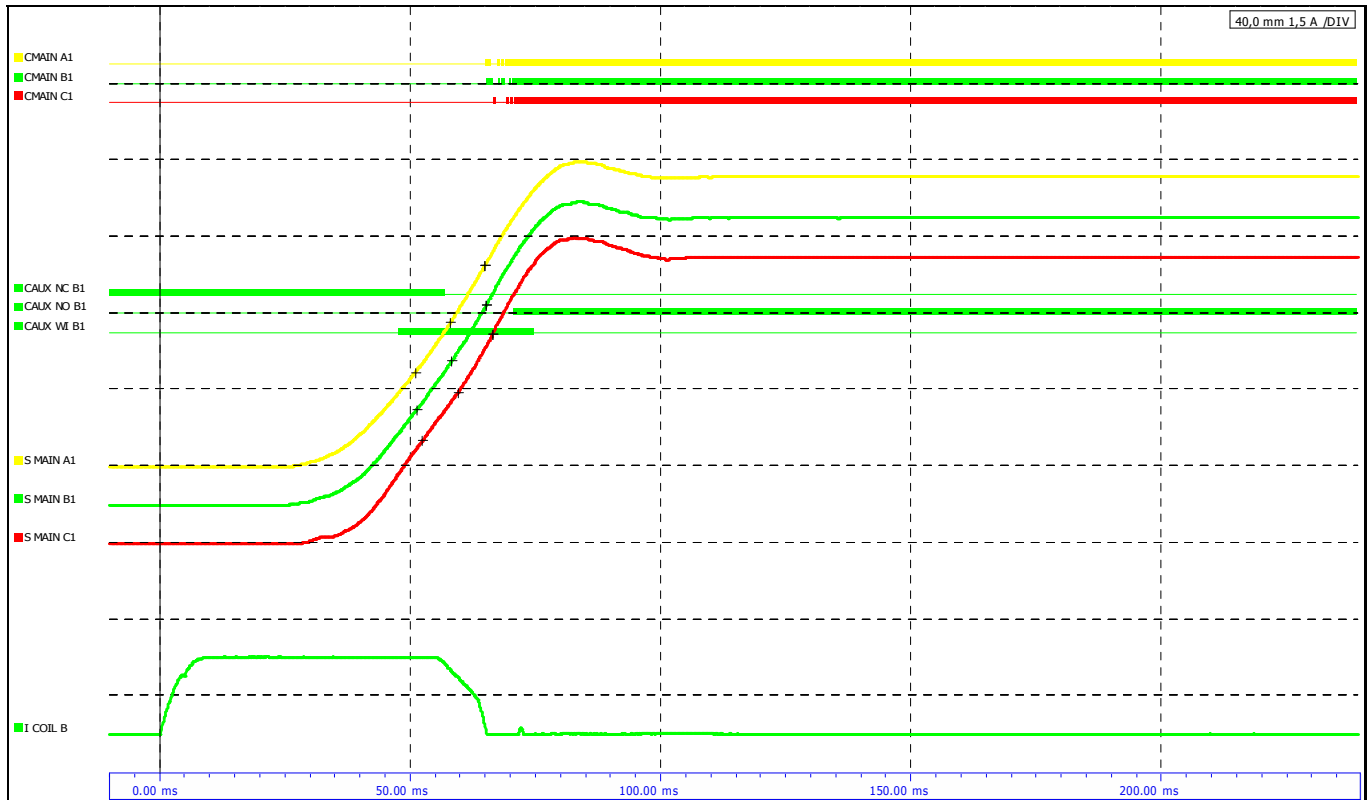


Breaker parameters

Customer SC Dnestrenergo
SAP - Nr.: 181514_10
Type GL 312 F1
Serial No. 181514-10/1A
Production Year 2015

Device Data

Testname: Ein Nenn 1
U Coil 220 Volt
U Motor 220 Volt
Test pressure 0,46 MPa



Results	Pole A	Pole B	Pole C	Unit	
C Time	65,0	65,3	66,5	ms	
C Wipe	46,00	45,51	40,35	mm	
C Speed	4,32	4,23	4,38	m/s	
Stroke	151,21	150,02	149,47	mm	
Overtrv	7,85	8,14	9,84	mm	
C OpTime (pole)	-	70,40	-	ms	
C OpTime (pole)	-	57,20	-	ms	
Pulse Dur (pole)	-	27,2	-	ms	
C Time Async	1,5			ms	
Current Max	-	1,53	-	A	
Voltage	-	220,00	-	Volt	

Date: 03.03.2015 07:59:12 Tester: Gimmler Signature:

Breaker test report

GRID



Breaker parameters

Customer SC Dnestrenerg
SAP - Nr.: 181514_10
Type GL 312 F1
Serial No. 181514-10/1A
Production Year 2015

Device Data

Testname: Aus Nenn 2
U Coil 220 Volt
U Motor 220 Volt
Test pressure 0,46 MPa



Results	Pole A	Pole B	Pole C	Unit	
O Time	27,5	27,9	28,8	ms	
O Trv intrvl	46,41	44,42	50,16	mm	
O Speed	6,63	6,35	7,17	m/s	
Stroke	151,14	149,55	149,23	mm	
O OpTime (pole)	-	19,80	-	ms	
O OpTime (pole)	-	32,50	-	ms	
Pulse Dur (pole)	-	21,6	-	ms	
O Time Async	1,3			ms	
Current Max	-	1,55	-	A	
Voltage	-	220,00	-	Volt	

Date: 03.03.2015 07:59:23 Tester: Gimmler Signature:

Breaker test report

GRID



Breaker parameters

Customer SC Dnestrenerg
SAP - Nr.: 181514_10
Type GL 312 F1
Serial No. 181514-10/1A
Production Year 2015

Device Data

Testname: Aus Nenn 1
U Coil 220 Volt
U Motor 220 Volt
Test pressure 0,46 MPa



Results	Pole A	Pole B	Pole C	Unit
O Time	27,9	28,1	29,1	ms
O Trv intrvl	46,78	44,77	50,43	mm
O Speed	6,68	6,40	7,20	m/s
Stroke	151,49	149,59	149,22	mm
O OpTime (pole)	-	20,20	-	ms
O OpTime (pole)	-	32,90	-	ms
Pulse Dur (pole)	-	21,5	-	ms
O Time Async	1,2			ms
Current Max	-	1,55	-	A
Voltage	-	220,00	-	Volt

Date: 03.03.2015 07:56:14 Tester: Gimmler Signature:

Breaker test report

GRID

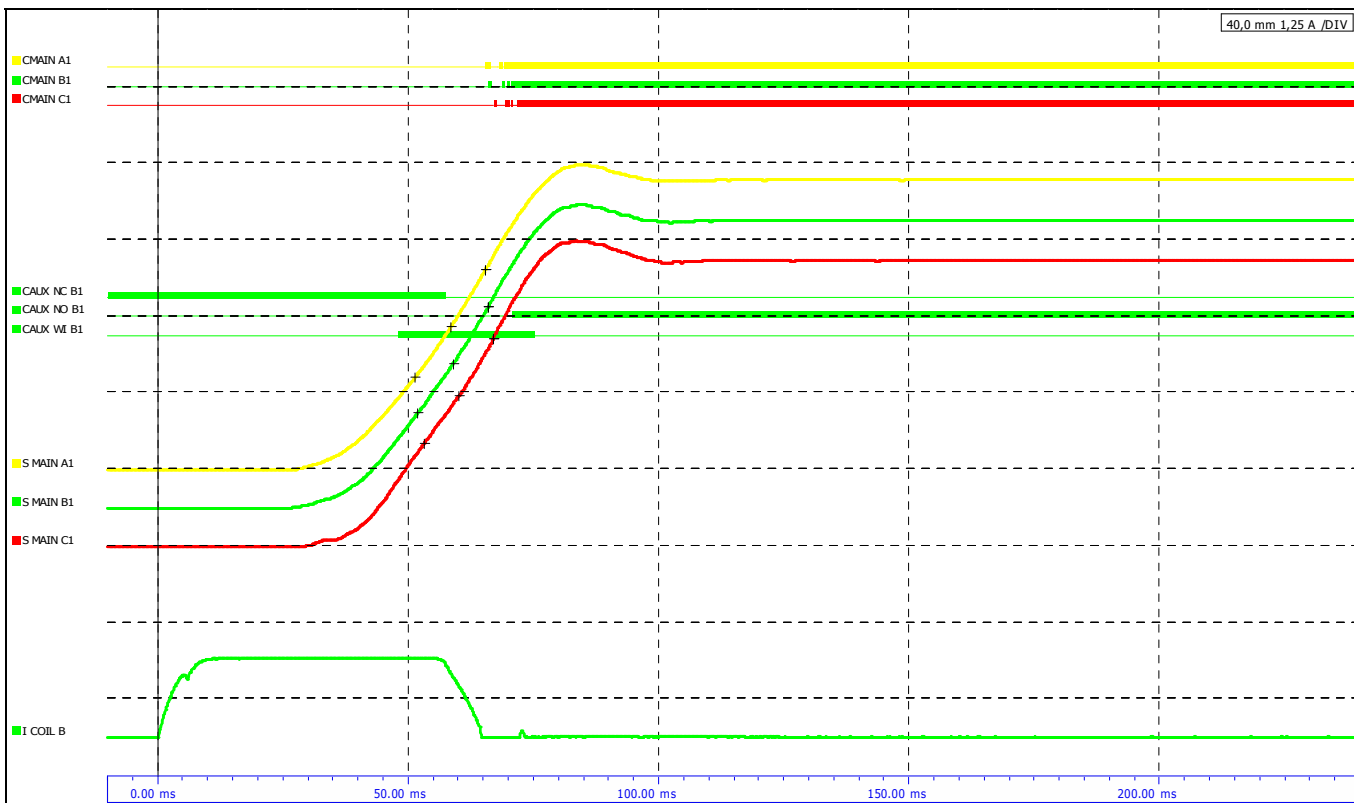


Breaker parameters

Customer SC Dnestrenergo
SAP - Nr.: 181514_10
Type GL 312 F1
Serial No. 181514-10/1A
Production Year 2015

Device Data

Testname: Ein Min 1
U Coil 220 Volt
U Motor 220 Volt
Test pressure 0,46 MPa



Results	Pole A	Pole B	Pole C	Unit
C Time	65,5	66,0	67,1	ms
C Wipe	46,68	45,17	40,77	mm
C Speed	4,32	4,23	4,32	m/s
Stroke	151,19	150,01	149,28	mm
Overtrv	7,90	8,32	10,03	mm
C OpTime (pole)	-	71,00	-	ms
C OpTime (pole)	-	57,80	-	ms
Pulse Dur (pole)	-	27,4	-	ms
C Time Async	1,6			ms
Current Max	-	1,30	-	A
Voltage	-	187,00	-	Volt

Date: 03.03.2015 10:12:26 Tester: Gimmler Signature:

Breaker test report

GRID

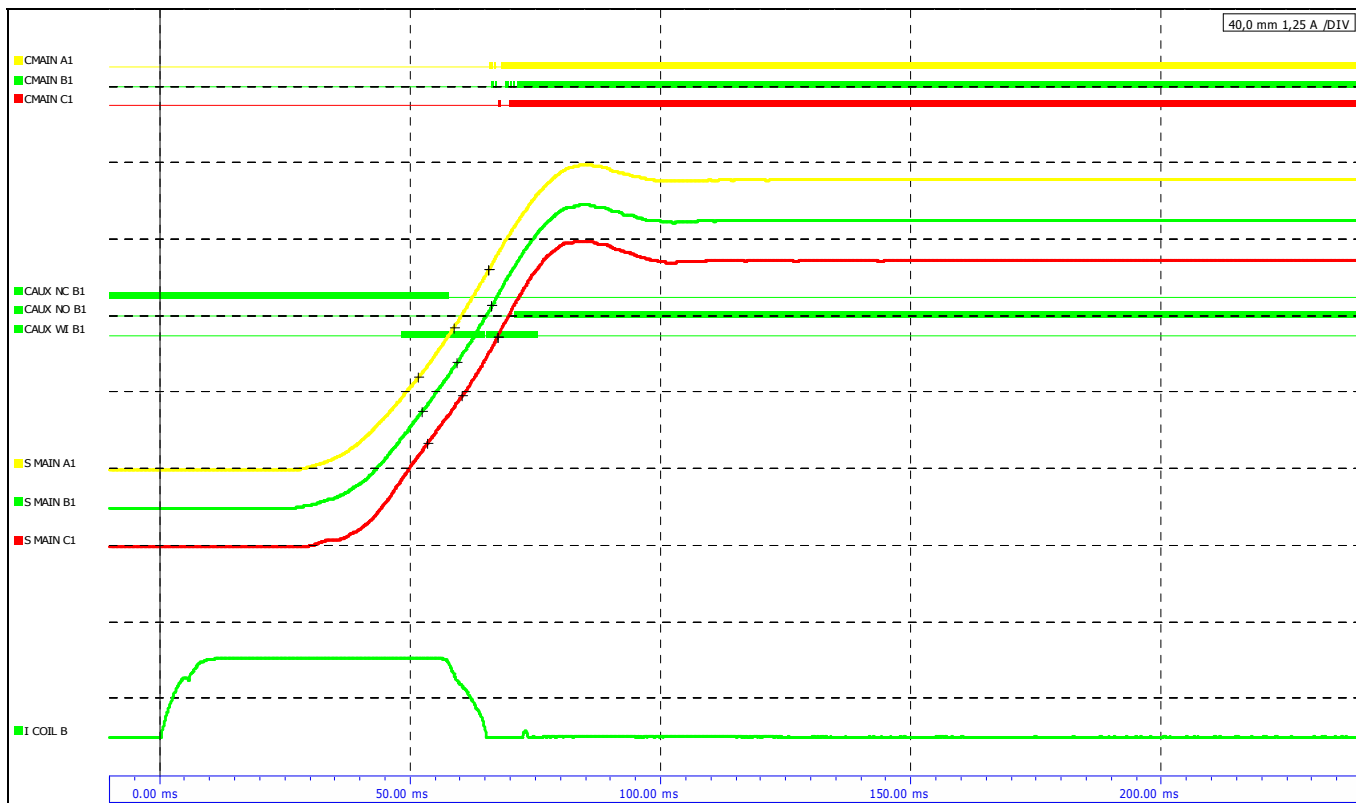


Breaker parameters

Customer SC Dnestrenergo
SAP - Nr.: 181514_10
Type GL 312 F1
Serial No. 181514-10/1A
Production Year 2015

Device Data

Testname: Ein Min 1
U Coil 220 Volt
U Motor 220 Volt
Test pressure 0,46 MPa



Results	Pole A	Pole B	Pole C	Unit	
C Time	65,6	66,3	67,4	ms	
C Wipe	47,01	44,40	40,01	mm	
C Speed	4,31	4,26	4,35	m/s	
Stroke	151,21	149,91	149,26	mm	
Overtrv	7,79	8,41	9,97	mm	
C OpTime (pole)	-	71,00	-	ms	
C OpTime (pole)	-	57,90	-	ms	
Pulse Dur (pole)	-	27,4	-	ms	
C Time Async	1,8			ms	
Current Max	-	1,30	-	A	
Voltage	-	187,00	-	Volt	

Date: 03.03.2015 10:11:51 Tester: Gimmler Signature:

Breaker test report

GRID

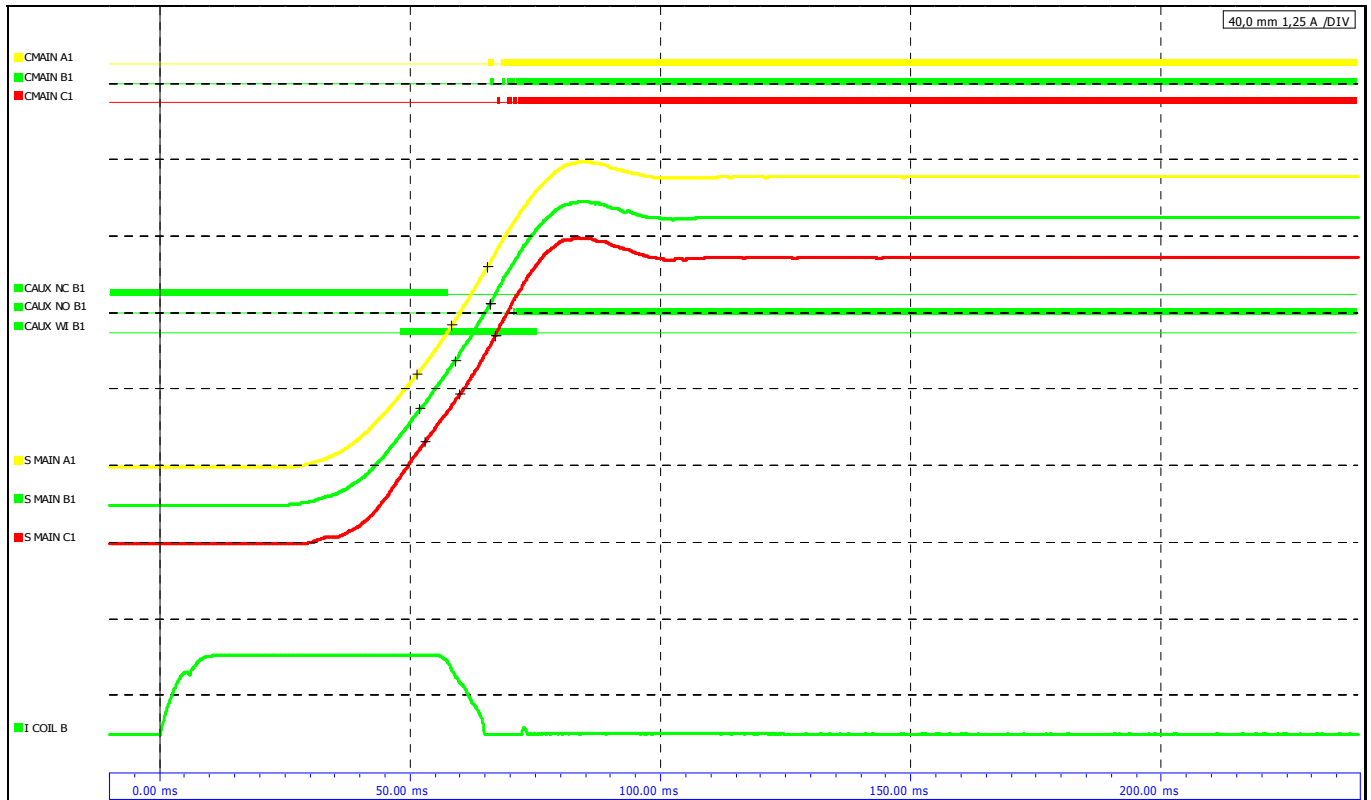


Breaker parameters

Customer SC Dnestrenergo
SAP - Nr.: 181514_10
Type GL 312 F1
Serial No. 181514-10/1A
Production Year 2015

Device Data

Testname: Ein Min 1
U Coil 220 Volt
U Motor 220 Volt
Test pressure 0,46 MPa



Results	Pole A	Pole B	Pole C	Unit
C Time	65,4	66,0	67,0	ms
C Wipe	47,05	44,91	41,14	mm
C Speed	4,31	4,24	4,28	m/s
Stroke	151,21	150,02	149,22	mm
Overtrv	7,87	8,39	10,09	mm
C OpTime (pole)	-	70,70	-	ms
C OpTime (pole)	-	57,70	-	ms
Pulse Dur (pole)	-	27,4	-	ms
C Time Async	1,6			ms
Current Max	-	1,31	-	A
Voltage	-	187,00	-	Volt

Date: 03.03.2015 10:11:13 Tester: Gimmler Signature:

Breaker test report

GRID

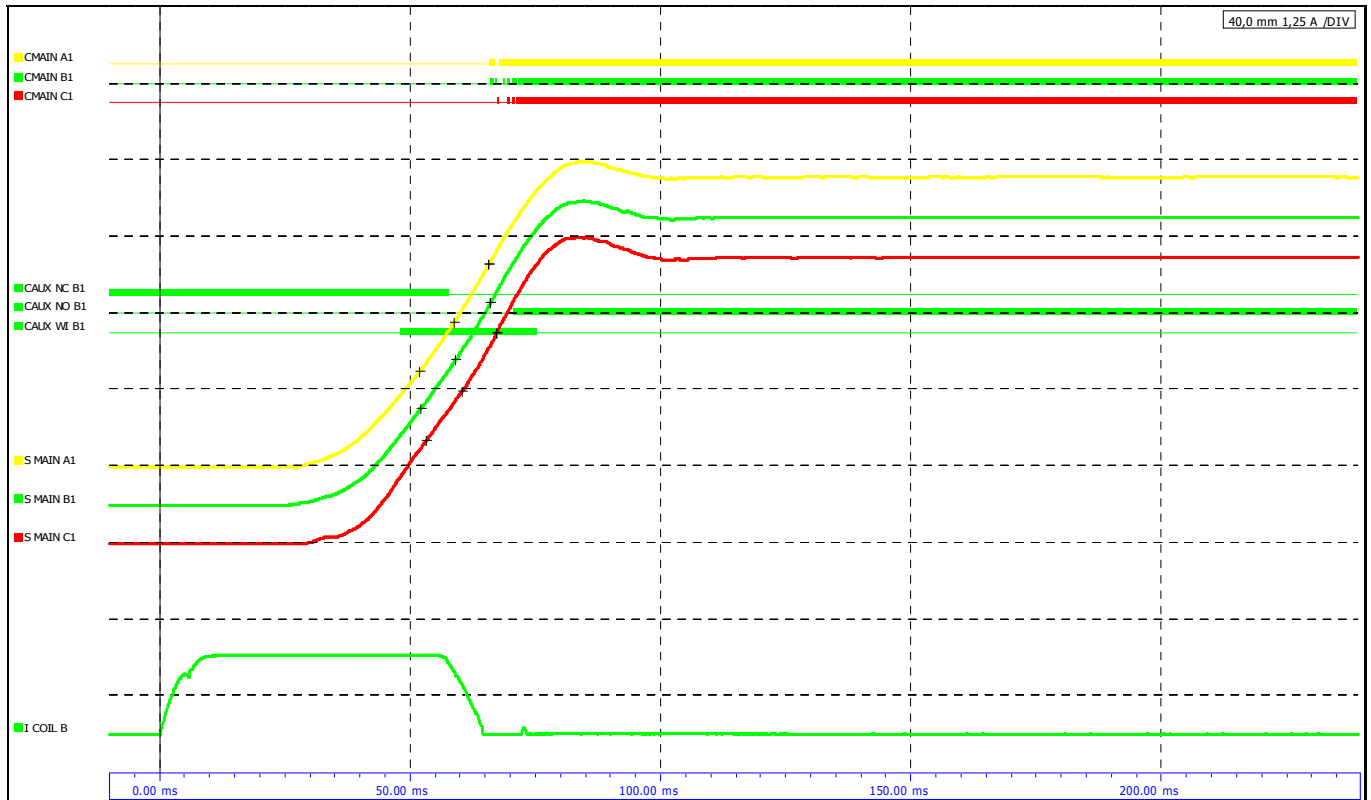


Breaker parameters

Customer SC Dnestrenergo
SAP - Nr.: 181514_10
Type GL 312 F1
Serial No. 181514-10/1A
Production Year 2015

Device Data

Testname: Ein Min 1
U Coil 220 Volt
U Motor 220 Volt
Test pressure 0,46 MPa



Results	Pole A	Pole B	Pole C	Unit	
C Time	65,8	66,1	67,3	ms	
C Wipe	45,27	44,61	39,64	mm	
C Speed	4,34	4,26	4,36	m/s	
Stroke	151,05	150,03	149,20	mm	
Overtrv	8,04	8,63	10,36	mm	
C OpTime (pole)	-	70,70	-	ms	
C OpTime (pole)	-	57,90	-	ms	
Pulse Dur (pole)	-	27,4	-	ms	
C Time Async	1,5			ms	
Current Max	-	1,30	-	A	
Voltage	-	187,00	-	Volt	

Date: 03.03.2015 10:10:36 Tester: Gimmler Signature:

Breaker test report

GRID

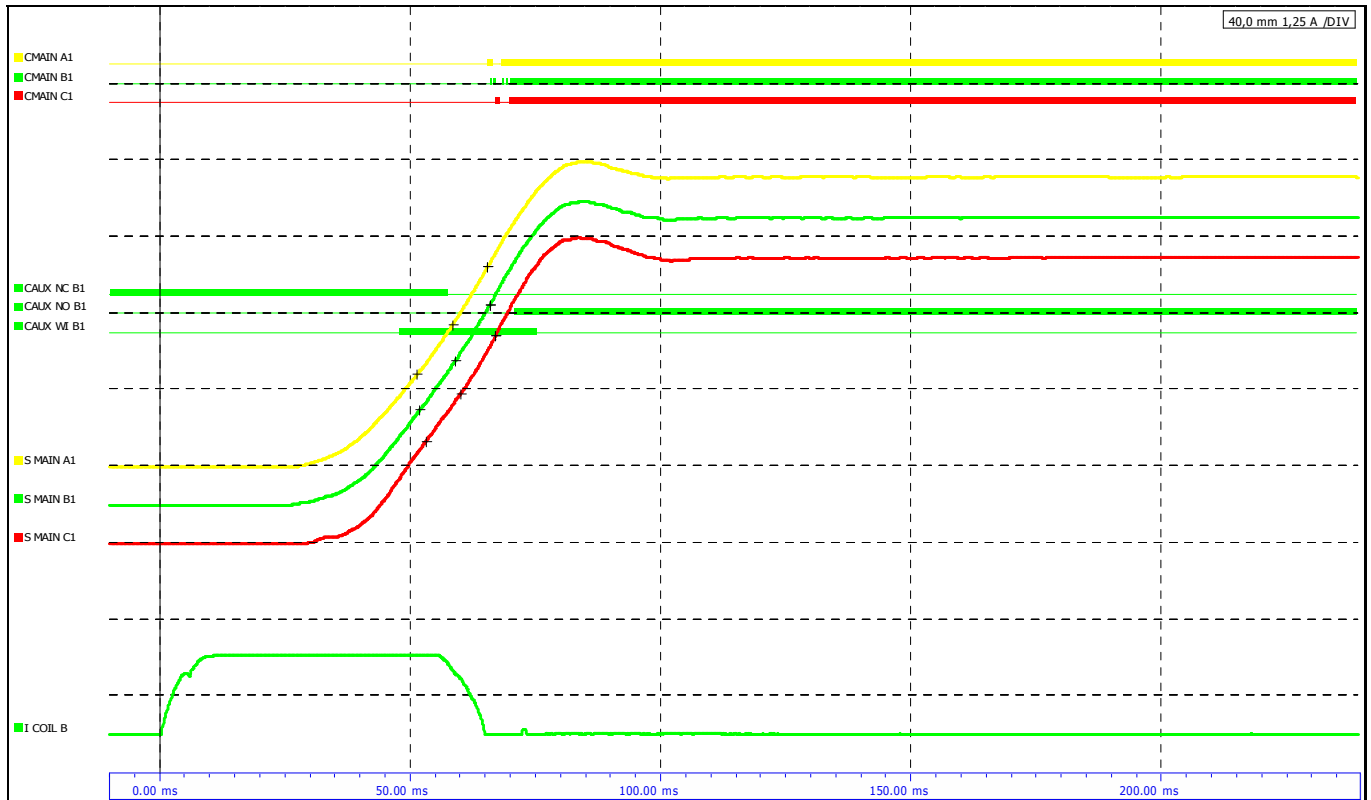


Breaker parameters

Customer SC Dnestrenergo
SAP - Nr.: 181514_10
Type GL 312 F1
Serial No. 181514-10/1A
Production Year 2015

Device Data

Testname: Ein Min 1
U Coil 220 Volt
U Motor 220 Volt
Test pressure 0,46 MPa



Results	Pole A	Pole B	Pole C	Unit	
C Time	65,4	65,9	67,0	ms	
C Wipe	46,82	45,33	40,90	mm	
C Speed	4,32	4,22	4,30	m/s	
Stroke	151,11	149,88	149,06	mm	
Overtrv	7,98	8,53	10,25	mm	
C OpTime (pole)	-	70,90	-	ms	
C OpTime (pole)	-	57,80	-	ms	
Pulse Dur (pole)	-	27,4	-	ms	
C Time Async	1,6			ms	
Current Max	-	1,31	-	A	
Voltage	-	187,00	-	Volt	

Date: 03.03.2015 10:09:17 Tester: Gimmler Signature:

Breaker test report

GRID



Breaker parameters

Customer SC Dnestrenerg
SAP - Nr.: 181514_10
Type GL 312 F1
Serial No. 181514-10/1A
Production Year 2015

Device Data

Testname: Aus Min 1
U Coil 220 Volt
U Motor 220 Volt
Test pressure 0,46 MPa



Results	Pole A	Pole B	Pole C	Unit	
O Time	29,8	30,1	31,1	ms	
O Trv intrvl	46,41	44,49	50,23	mm	
O Speed	6,63	6,36	7,18	m/s	
Stroke	151,51	149,74	149,06	mm	
O OpTime (pole)	-	22,20	-	ms	
O OpTime (pole)	-	34,90	-	ms	
Pulse Dur (pole)	-	21,7	-	ms	
O Time Async	1,3			ms	
Current Max	-	1,08	-	A	
Voltage	-	154,00	-	Volt	

Date: 03.03.2015 10:11:31 Tester: Gimmler Signature:

Breaker test report

GRID



Breaker parameters

Customer SC Dnestrenerg
SAP - Nr.: 181514_10
Type GL 312 F1
Serial No. 181514-10/1A
Production Year 2015

Device Data

Testname: Aus Min 1
U Coil 220 Volt
U Motor 220 Volt
Test pressure 0,46 MPa



Results	Pole A	Pole B	Pole C	Unit	
O Time	28,7	29,1	30,1	ms	
O Trv intrvl	46,35	44,53	50,19	mm	
O Speed	6,62	6,36	7,17	m/s	
Stroke	150,96	149,83	149,05	mm	
O OpTime (pole)	-	21,20	-	ms	
O OpTime (pole)	-	33,90	-	ms	
Pulse Dur (pole)	-	21,5	-	ms	
O Time Async	1,4			ms	
Current Max	-	1,09	-	A	
Voltage	-	154,00	-	Volt	

Date: 03.03.2015 10:10:52 Tester: Gimmler Signature:

Breaker test report

GRID



Breaker parameters

Customer SC Dnestrenergo
SAP - Nr.: 181514_10
Type GL 312 F1
Serial No. 181514-10/1A
Production Year 2015

Device Data

Testname: Aus Min 1
U Coil 220 Volt
U Motor 220 Volt
Test pressure 0,46 MPa



Results	Pole A	Pole B	Pole C	Unit	
O Time	31,4	31,7	32,6	ms	
O Trv intrvl	46,50	44,45	50,08	mm	
O Speed	6,64	6,35	7,15	m/s	
Stroke	151,09	150,08	149,29	mm	
O OpTime (pole)	-	23,70	-	ms	
O OpTime (pole)	-	36,50	-	ms	
Pulse Dur (pole)	-	21,5	-	ms	
O Time Async	1,2			ms	
Current Max	-	1,08	-	A	
Voltage	-	154,00	-	Volt	

Date: 03.03.2015 10:10:11 Tester: Gimmler Signature:

Breaker test report

GRID



Breaker parameters

Customer SC Dnestrenerg
SAP - Nr.: 181514_10
Type GL 312 F1
Serial No. 181514-10/1A
Production Year 2015

Device Data

Testname: Aus Min 2
U Coil 220 Volt
U Motor 220 Volt
Test pressure 0,46 MPa



Results	Pole A	Pole B	Pole C	Unit	
O Time	29,7	30,0	30,9	ms	
O Trv intrvl	46,41	44,65	50,14	mm	
O Speed	6,63	6,38	7,16	m/s	
Stroke	151,35	149,93	149,14	mm	
O OpTime (pole)	-	22,00	-	ms	
O OpTime (pole)	-	34,80	-	ms	
Pulse Dur (pole)	-	21,7	-	ms	
O Time Async	1,2			ms	
Current Max	-	1,08	-	A	
Voltage	-	154,00	-	Volt	

Date: 03.03.2015 10:12:42 Tester: Gimmler Signature:

Breaker test report

GRID



Breaker parameters

Customer SC Dnestrenerg
SAP - Nr.: 181514_10
Type GL 312 F1
Serial No. 181514-10/1A
Production Year 2015

Device Data

Testname: Aus Min 2
U Coil 220 Volt
U Motor 220 Volt
Test pressure 0,46 MPa



Results	Pole A	Pole B	Pole C	Unit	
O Time	29,5	29,9	30,9	ms	
O Trv intrvl	46,35	44,45	50,29	mm	
O Speed	6,62	6,35	7,18	m/s	
Stroke	151,28	149,82	149,06	mm	
O OpTime (pole)	-	21,80	-	ms	
O OpTime (pole)	-	34,60	-	ms	
Pulse Dur (pole)	-	21,7	-	ms	
O Time Async	1,4			ms	
Current Max	-	1,08	-	A	
Voltage	-	154,00	-	Volt	

Date: 03.03.2015 10:12:09 Tester: Gimmler Signature:

Breaker test report

GRID

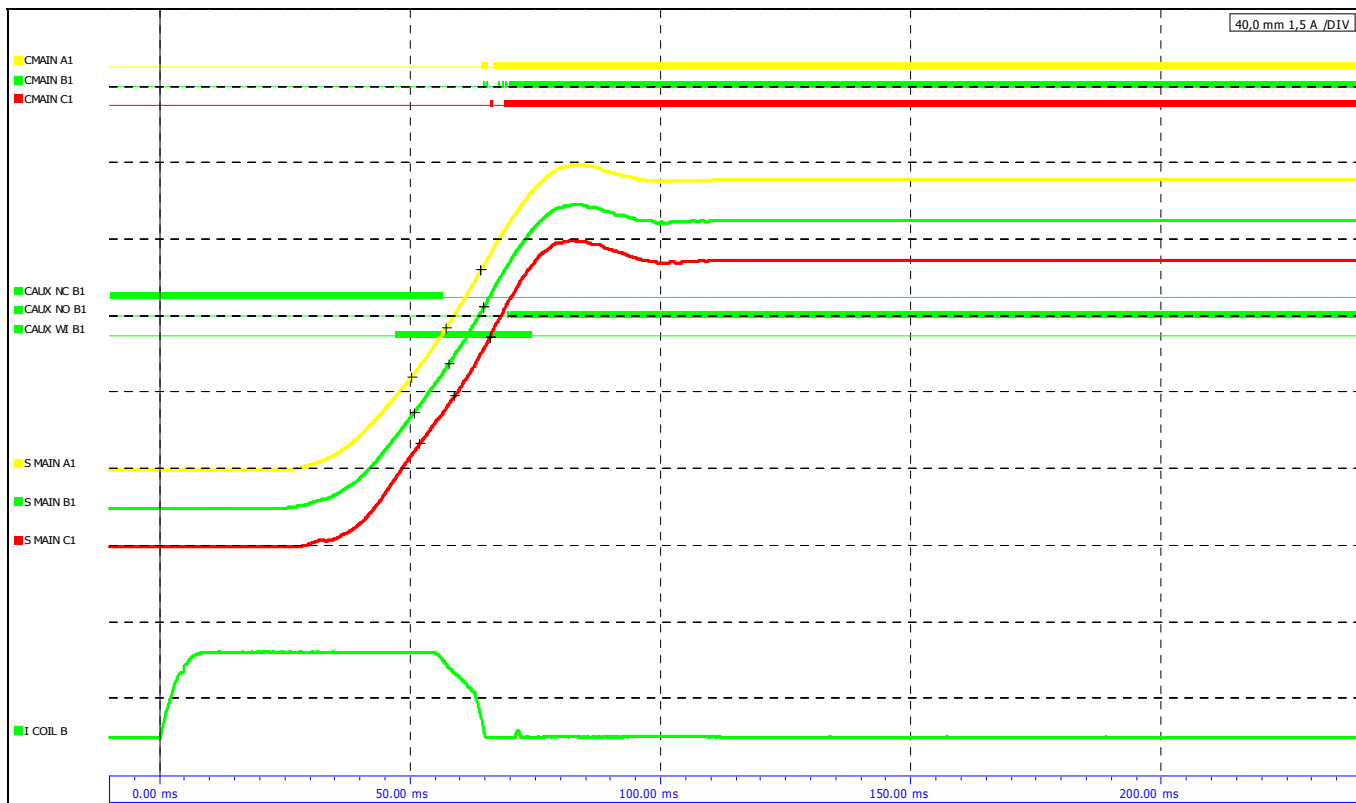


Breaker parameters

Customer SC Dnestrenergo
SAP - Nr.: 181514_10
Type GL 312 F1
Serial No. 181514-10/1A
Production Year 2015

Device Data

Testname: Ein Max 1
U Coil 220 Volt
U Motor 220 Volt
Test pressure 0,46 MPa



Results	Pole A	Pole B	Pole C	Unit	
C Time	64,2	64,8	65,9	ms	
C Wipe	47,03	45,04	40,60	mm	
C Speed	4,33	4,25	4,34	m/s	
Stroke	151,26	150,05	149,40	mm	
Overtrv	7,91	8,36	10,08	mm	
C OpTime (pole)	-	69,70	-	ms	
C OpTime (pole)	-	56,60	-	ms	
Pulse Dur (pole)	-	27,5	-	ms	
C Time Async	1,7			ms	
Current Max	-	1,68	-	A	
Voltage	-	242,00	-	Volt	

Date: 03.03.2015 10:18:11 Tester: Gimmler Signature:

Breaker test report

GRID

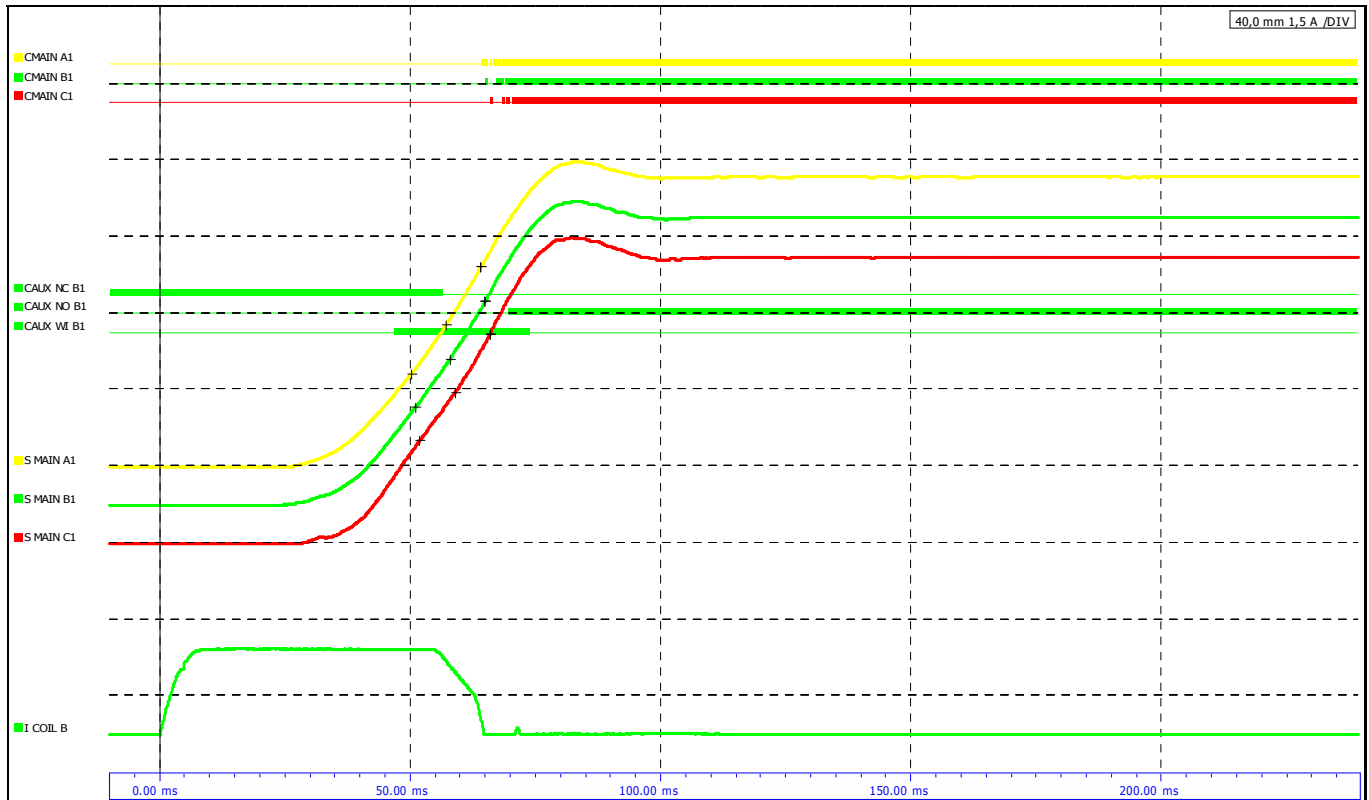


Breaker parameters

Customer SC Dnestrenergo
SAP - Nr.: 181514_10
Type GL 312 F1
Serial No. 181514-10/1A
Production Year 2015

Device Data

Testname: Ein Max 1
U Coil 220 Volt
U Motor 220 Volt
Test pressure 0,46 MPa



Results	Pole A	Pole B	Pole C	Unit	
C Time	64,2	65,0	66,0	ms	
C Wipe	46,88	43,99	39,81	mm	
C Speed	4,32	4,27	4,39	m/s	
Stroke	151,13	150,10	149,22	mm	
Overtrv	7,87	8,31	10,09	mm	
C OpTime (pole)	-	69,70	-	ms	
C OpTime (pole)	-	56,60	-	ms	
Pulse Dur (pole)	-	27,2	-	ms	
C Time Async	1,8			ms	
Current Max	-	1,68	-	A	
Voltage	-	242,00	-	Volt	

Date: 03.03.2015 10:17:39 Tester: Gimmler Signature:

Breaker test report

GRID

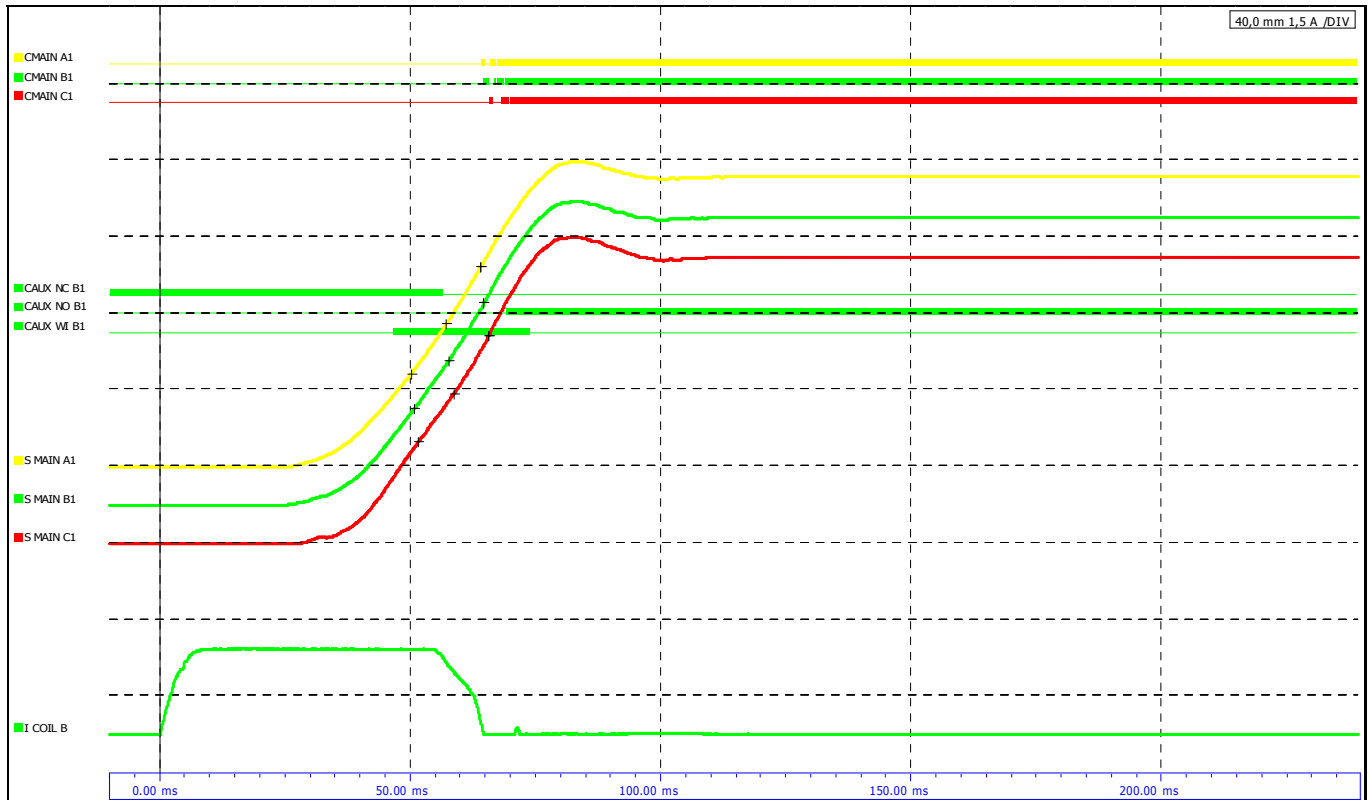


Breaker parameters

Customer SC Dnestrenergo
SAP - Nr.: 181514_10
Type GL 312 F1
Serial No. 181514-10/1A
Production Year 2015

Device Data

Testname: Ein Max 1
U Coil 220 Volt
U Motor 220 Volt
Test pressure 0,46 MPa



Results	Pole A	Pole B	Pole C	Unit
C Time	64,2	64,8	65,7	ms
C Wipe	46,74	44,70	41,29	mm
C Speed	4,32	4,26	4,30	m/s
Stroke	151,25	150,07	149,33	mm
Overtrv	7,98	8,50	10,31	mm
C OpTime (pole)	-	69,30	-	ms
C OpTime (pole)	-	56,50	-	ms
Pulse Dur (pole)	-	27,3	-	ms
C Time Async	1,5			ms
Current Max	-	1,68	-	A
Voltage	-	242,00	-	Volt

Date: 03.03.2015 10:15:20 Tester: Gimmler Signature:

Breaker test report

GRID

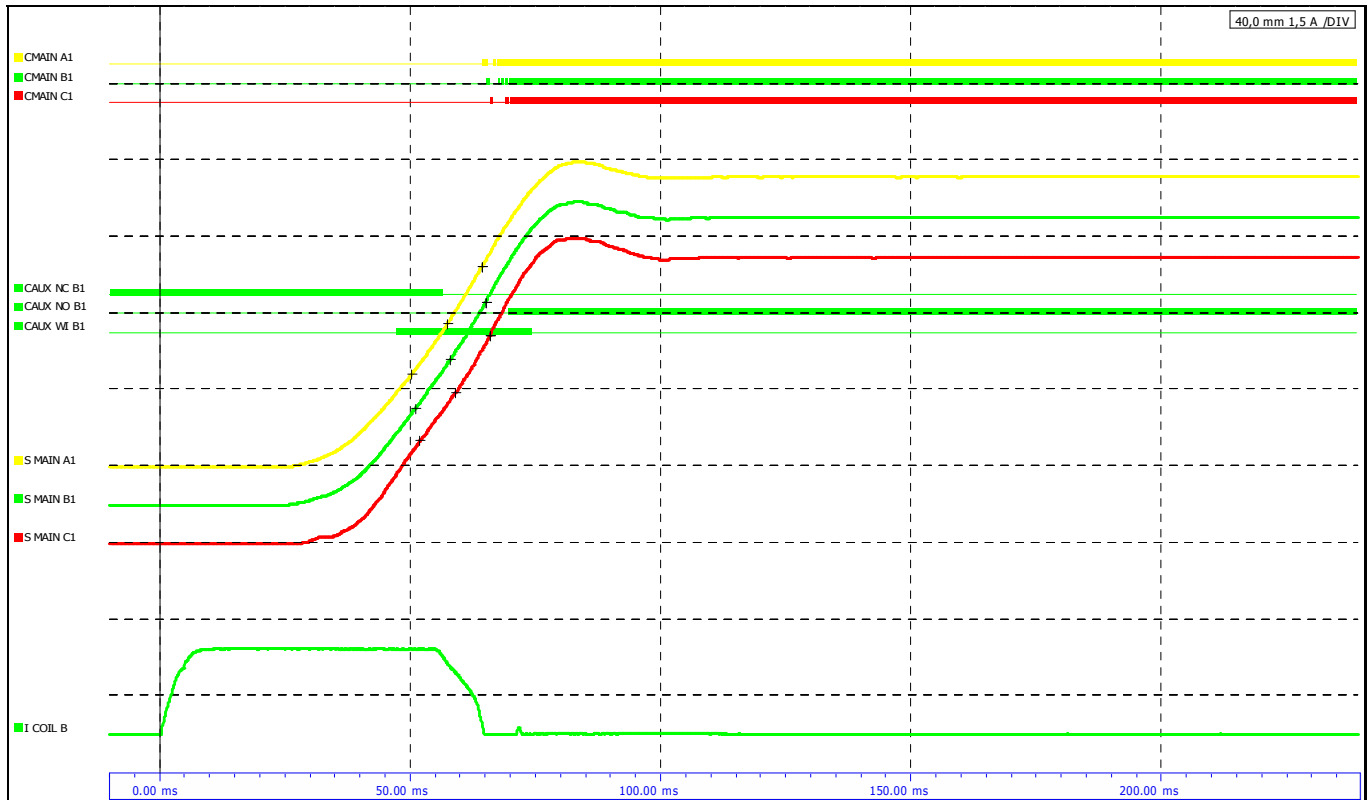


Breaker parameters

Customer SC Dnestrenergo
SAP - Nr.: 181514_10
Type GL 312 F1
Serial No. 181514-10/1A
Production Year 2015

Device Data

Testname: Ein Max 1
U Coil 220 Volt
U Motor 220 Volt
Test pressure 0,46 MPa



Results	Pole A	Pole B	Pole C	Unit	
C Time	64,3	65,0	65,9	ms	
C Wipe	46,58	44,08	40,49	mm	
C Speed	4,32	4,27	4,34	m/s	
Stroke	151,13	149,96	149,20	mm	
Overtrv	7,87	8,36	10,03	mm	
C OpTime (pole)	-	69,70	-	ms	
C OpTime (pole)	-	56,70	-	ms	
Pulse Dur (pole)	-	27,4	-	ms	
C Time Async	1,6			ms	
Current Max	-	1,68	-	A	
Voltage	-	242,00	-	Volt	

Date: 03.03.2015 10:14:02 Tester: Gimmler Signature:

Breaker test report

GRID

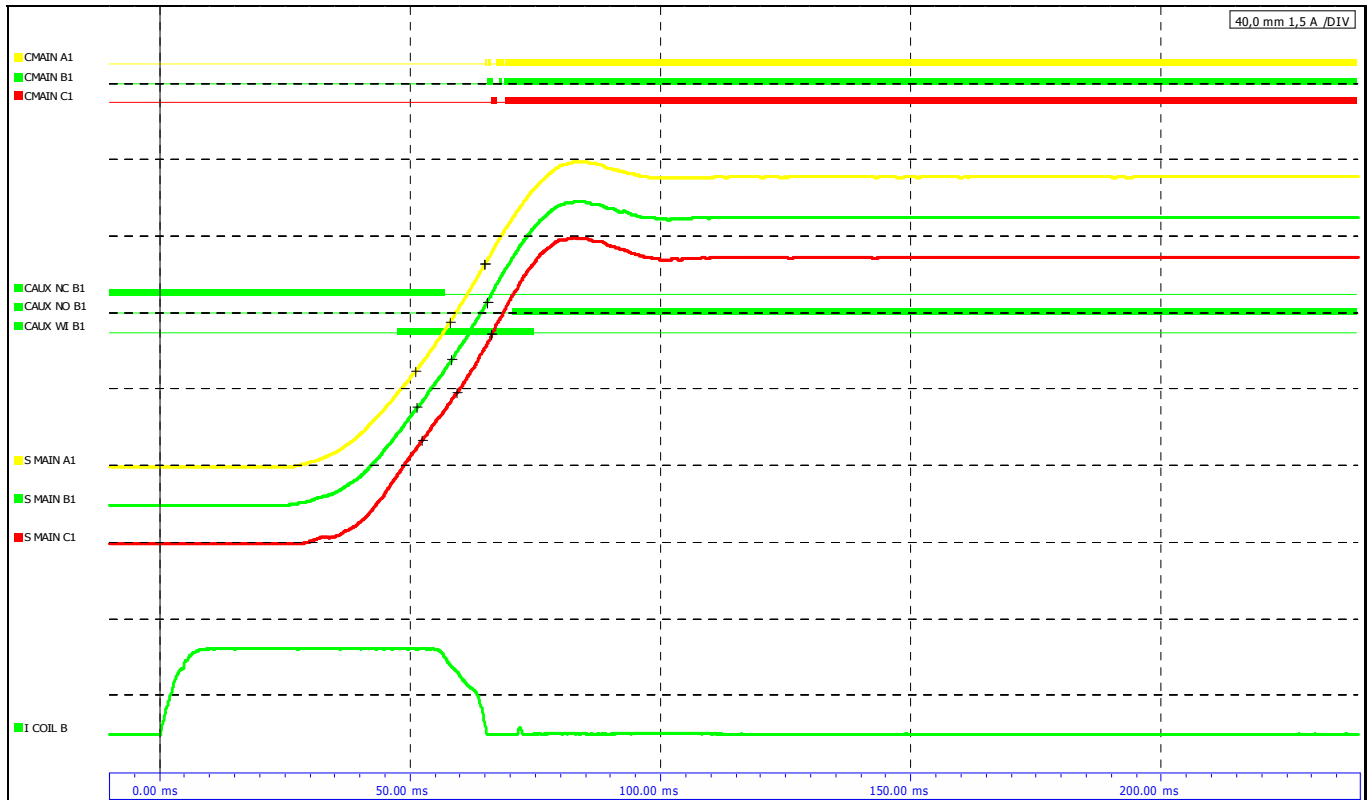


Breaker parameters

Customer SC Dnestrenergo
SAP - Nr.: 181514_10
Type GL 312 F1
Serial No. 181514-10/1A
Production Year 2015

Device Data

Testname: Ein Max 1
U Coil 220 Volt
U Motor 220 Volt
Test pressure 0,46 MPa



Results	Pole A	Pole B	Pole C	Unit	
C Time	65,0	65,4	66,4	ms	
C Wipe	45,24	44,14	40,07	mm	
C Speed	4,33	4,26	4,35	m/s	
Stroke	151,13	150,04	149,19	mm	
Overtrv	7,95	8,45	10,12	mm	
C OpTime (pole)	-	70,20	-	ms	
C OpTime (pole)	-	57,20	-	ms	
Pulse Dur (pole)	-	27,4	-	ms	
C Time Async	1,4			ms	
Current Max	-	1,69	-	A	
Voltage	-	242,00	-	Volt	

Date: 03.03.2015 10:13:08 Tester: Gimmler Signature:

Breaker test report

GRID



Breaker parameters

Customer SC Dnestrenergo
SAP - Nr.: 181514_10
Type GL 312 F1
Serial No. 181514-10/1A
Production Year 2015

Device Data

Testname: Aus Max 1
U Coil 220 Volt
U Motor 220 Volt
Test pressure 0,46 MPa



Results	Pole A	Pole B	Pole C	Unit	
O Time	27,7	28,1	29,1	ms	
O Trv intrvl	46,54	44,83	50,06	mm	
O Speed	6,65	6,40	7,15	m/s	
Stroke	151,24	149,87	149,02	mm	
O OpTime (pole)	-	20,00	-	ms	
O OpTime (pole)	-	32,80	-	ms	
Pulse Dur (pole)	-	21,2	-	ms	
O Time Async	1,4			ms	
Current Max	-	1,71	-	A	
Voltage	-	242,00	-	Volt	

Date: 03.03.2015 10:18:00 Tester: Gimmler Signature:

Breaker test report

GRID



Breaker parameters

Customer SC Dnestrenerg
SAP - Nr.: 181514_10
Type GL 312 F1
Serial No. 181514-10/1A
Production Year 2015

Device Data

Testname: Aus Max 1
U Coil 220 Volt
U Motor 220 Volt
Test pressure 0,46 MPa



Results	Pole A	Pole B	Pole C	Unit	
O Time	27,9	28,3	29,3	ms	
O Trv intrvl	45,90	44,45	50,19	mm	
O Speed	6,56	6,35	7,17	m/s	
Stroke	151,18	150,04	149,11	mm	
O OpTime (pole)	-	20,20	-	ms	
O OpTime (pole)	-	33,00	-	ms	
Pulse Dur (pole)	-	21,8	-	ms	
O Time Async	1,4			ms	
Current Max	-	1,71	-	A	
Voltage	-	242,00	-	Volt	

Date: 03.03.2015 10:15:56 Tester: Gimmler Signature:

Breaker test report

GRID



Breaker parameters

Customer SC Dnestrenergo
SAP - Nr.: 181514_10
Type GL 312 F1
Serial No. 181514-10/1A
Production Year 2015

Device Data

Testname: Aus Max 1
U Coil 220 Volt
U Motor 220 Volt
Test pressure 0,46 MPa



Results	Pole A	Pole B	Pole C	Unit	
O Time	27,8	28,1	29,1	ms	
O Trv intrvl	46,50	44,55	50,19	mm	
O Speed	6,64	6,36	7,17	m/s	
Stroke	151,11	149,80	148,99	mm	
O OpTime (pole)	-	20,00	-	ms	
O OpTime (pole)	-	32,80	-	ms	
Pulse Dur (pole)	-	21,4	-	ms	
O Time Async	1,3			ms	
Current Max	-	1,71	-	A	
Voltage	-	242,00	-	Volt	

Date: 03.03.2015 10:14:26 Tester: Gimmler Signature:

Breaker test report

GRID



Breaker parameters

Customer SC Dnestrenerg
SAP - Nr.: 181514_10
Type GL 312 F1
Serial No. 181514-10/1A
Production Year 2015

Device Data

Testname: Aus Max 2
U Coil 220 Volt
U Motor 220 Volt
Test pressure 0,46 MPa



Results	Pole A	Pole B	Pole C	Unit	
O Time	26,7	27,1	28,1	ms	
O Trv intrvl	45,82	44,77	50,02	mm	
O Speed	6,55	6,40	7,15	m/s	
Stroke	150,93	149,66	149,01	mm	
O OpTime (pole)	-	19,00	-	ms	
O OpTime (pole)	-	31,70	-	ms	
Pulse Dur (pole)	-	21,3	-	ms	
O Time Async	1,4			ms	
Current Max	-	1,70	-	A	
Voltage	-	242,00	-	Volt	

Date: 03.03.2015 10:18:58 Tester: Gimmler Signature:

Breaker test report

GRID



Breaker parameters

Customer SC Dnestrenerg
SAP - Nr.: 181514_10
Type GL 312 F1
Serial No. 181514-10/1A
Production Year 2015

Device Data

Testname: Aus Max 2
U Coil 220 Volt
U Motor 220 Volt
Test pressure 0,46 MPa



Results	Pole A	Pole B	Pole C	Unit
O Time	27,1	27,5	28,5	ms
O Trv intrvl	46,27	44,57	50,08	mm
O Speed	6,61	6,37	7,15	m/s
Stroke	151,27	149,83	149,06	mm
O OpTime (pole)	-	19,30	-	ms
O OpTime (pole)	-	32,20	-	ms
Pulse Dur (pole)	-	21,6	-	ms
O Time Async	1,4			ms
Current Max	-	1,70	-	A
Voltage	-	242,00	-	Volt

Date: 03.03.2015 10:18:24 Tester: Gimmler Signature:

Breaker test report

GRID

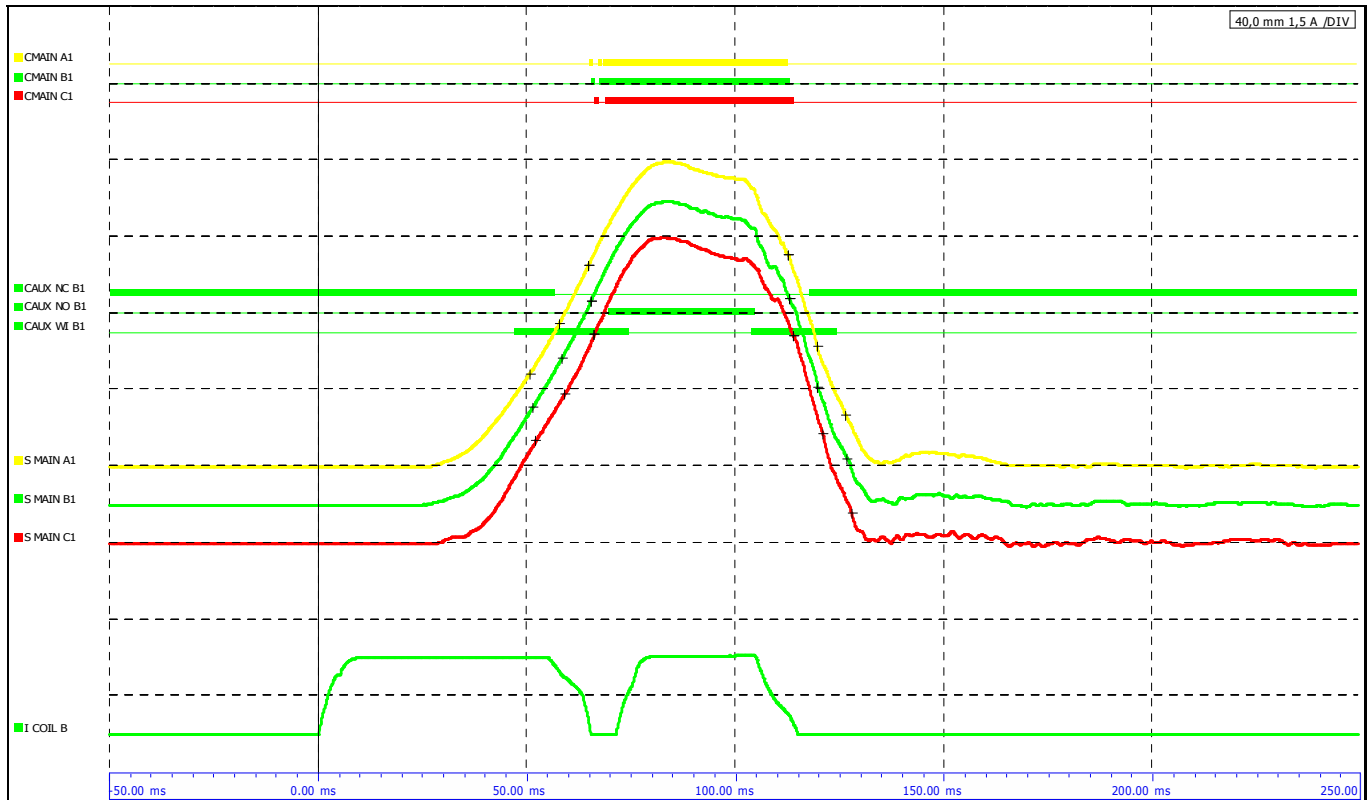


Breaker parameters

Customer SC Dnestrenergo
SAP - Nr.: 181514_10
Type GL 312 F1
Serial No. 181514-10/1A
Production Year 2015

Device Data

Testname: CO
U Coil 220 Volt
U Motor 220 Volt
Test pressure 0,46 MPa



Results	Pole A	Pole B	Pole C	Unit
C Speed	4,34	4,30	4,40	m/s
O Speed	6,82	6,65	7,28	m/s
Stroke	159,08	158,57	159,64	mm
C Wipe	54,28	52,19	50,80	mm
O Time	41,3	41,6	42,7	ms
C Time	64,7	65,4	66,2	ms
CO Time	48,0	47,6	47,9	ms
Current Max	-	1,52	-	A
Current Max	-	1,56	-	A
Voltage	-	220,00	-	Volt
Voltage	-	220,00	-	Volt
C Time Async	1,5			ms
O Time Async	1,4			ms

Date: 03.03.2015 10:22:58 Tester: Gimmler Signature:

Breaker test report

GRID

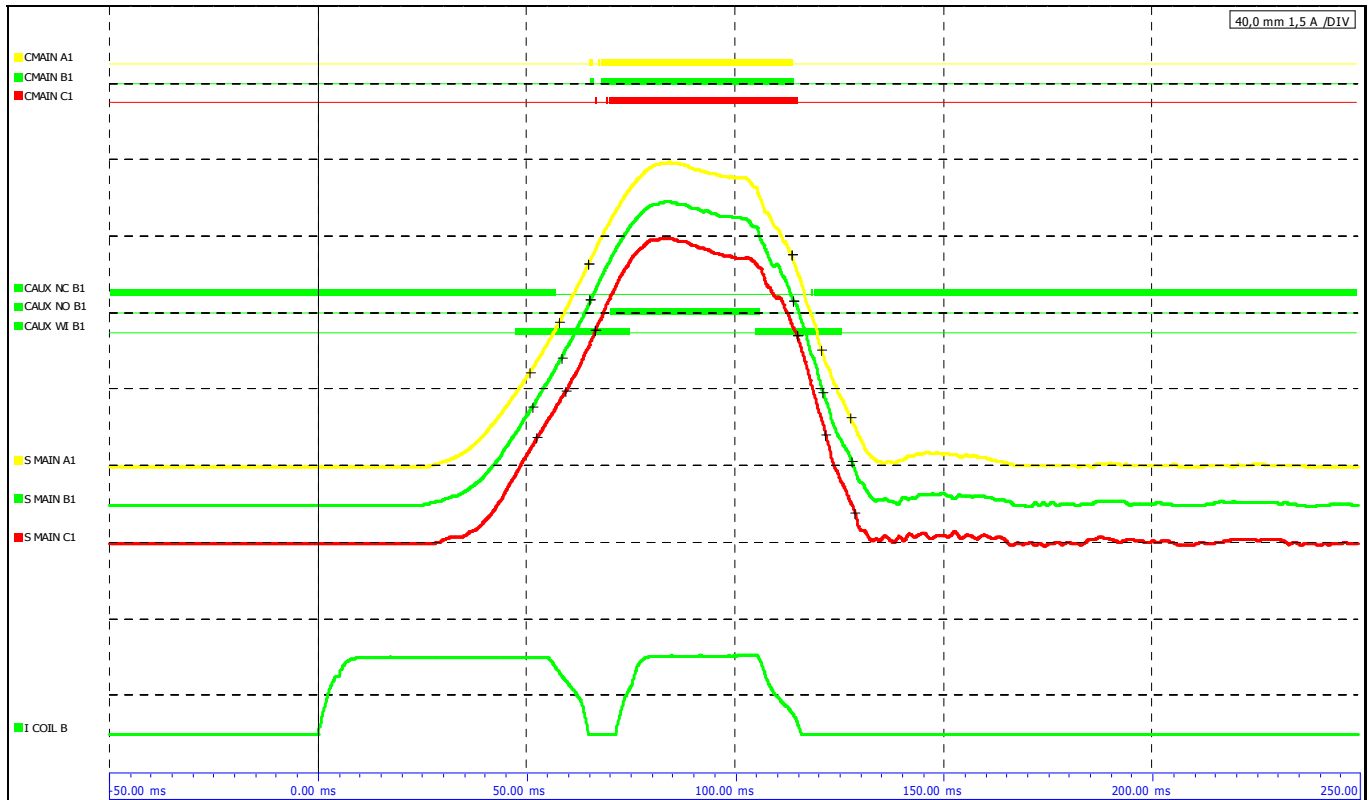


Breaker parameters

Customer SC Dnestrenergo
SAP - Nr.: 181514_10
Type GL 312 F1
Serial No. 181514-10/1A
Production Year 2015

Device Data

Testname: CO
U Coil 220 Volt
U Motor 220 Volt
Test pressure 0,46 MPa



Results	Pole A	Pole B	Pole C	Unit
C Speed	4,32	4,29	4,48	m/s
O Speed	7,03	6,79	7,45	m/s
Stroke	158,75	158,24	159,14	mm
C Wipe	53,30	51,44	48,30	mm
O Time	42,4	42,8	43,6	ms
C Time	64,8	65,4	66,5	ms
CO Time	49,0	48,8	48,5	ms
Current Max	-	1,52	-	A
Current Max	-	1,56	-	A
Voltage	-	220,00	-	Volt
Voltage	-	220,00	-	Volt
C Time Async	1,7			ms
O Time Async	1,2			ms

Date: 03.03.2015 10:22:43 Tester: Gimmler Signature:

Breaker test report

GRID

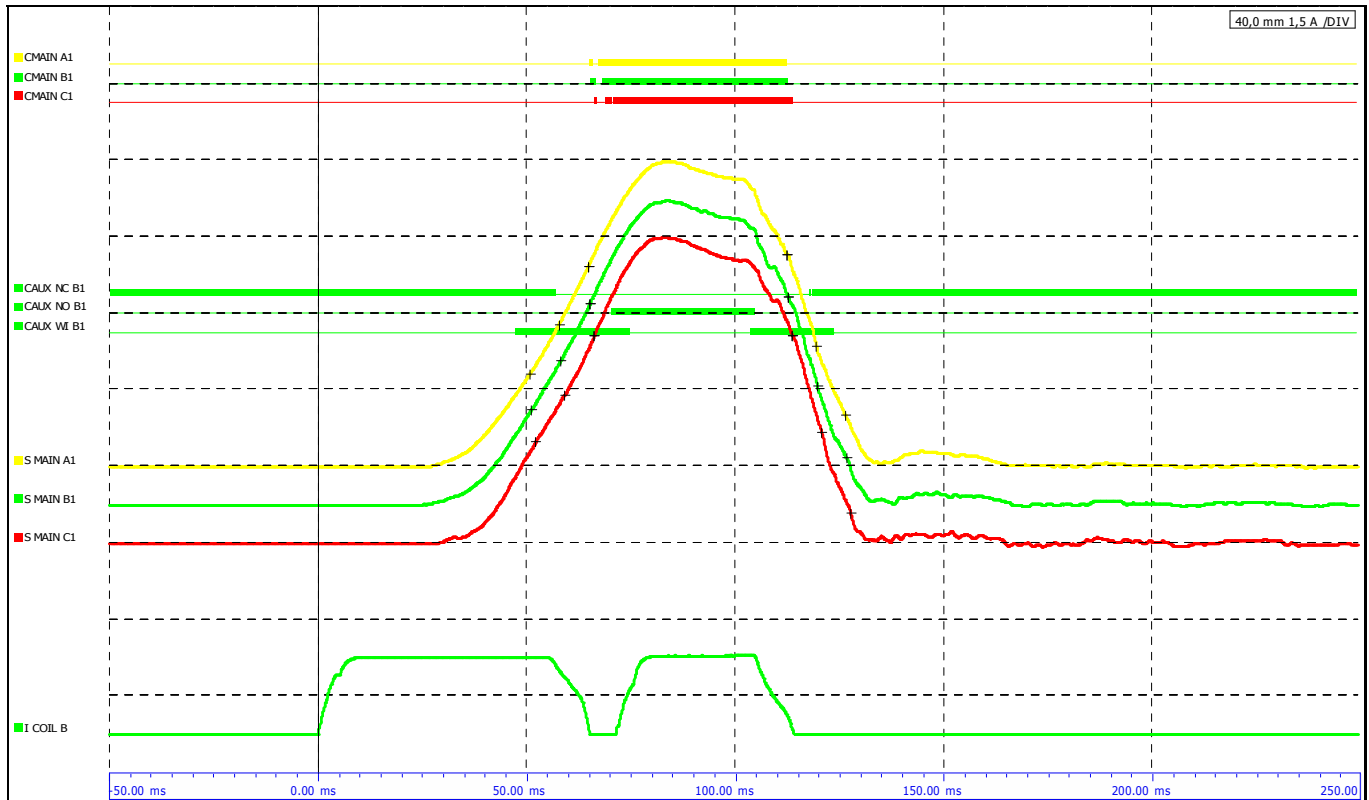


Breaker parameters

Customer SC Dnestrenergo
SAP - Nr.: 181514_10
Type GL 312 F1
Serial No. 181514-10/1A
Production Year 2015

Device Data

Testname: CO
U Coil 220 Volt
U Motor 220 Volt
Test pressure 0,46 MPa



Results	Pole A	Pole B	Pole C	Unit
C Speed	4,33	4,24	4,36	m/s
O Speed	6,80	6,57	7,22	m/s
Stroke	159,25	158,73	159,55	mm
C Wipe	54,90	53,75	51,50	mm
O Time	41,3	41,5	42,6	ms
C Time	64,8	65,3	66,3	ms
CO Time	47,9	47,6	47,7	ms
Current Max	-	1,52	-	A
Current Max	-	1,56	-	A
Voltage	-	220,00	-	Volt
Voltage	-	220,00	-	Volt
C Time Async	1,5			ms
O Time Async	1,3			ms

Date: 03.03.2015 10:21:39 Tester: Gimmler Signature:

Breaker test report

GRID

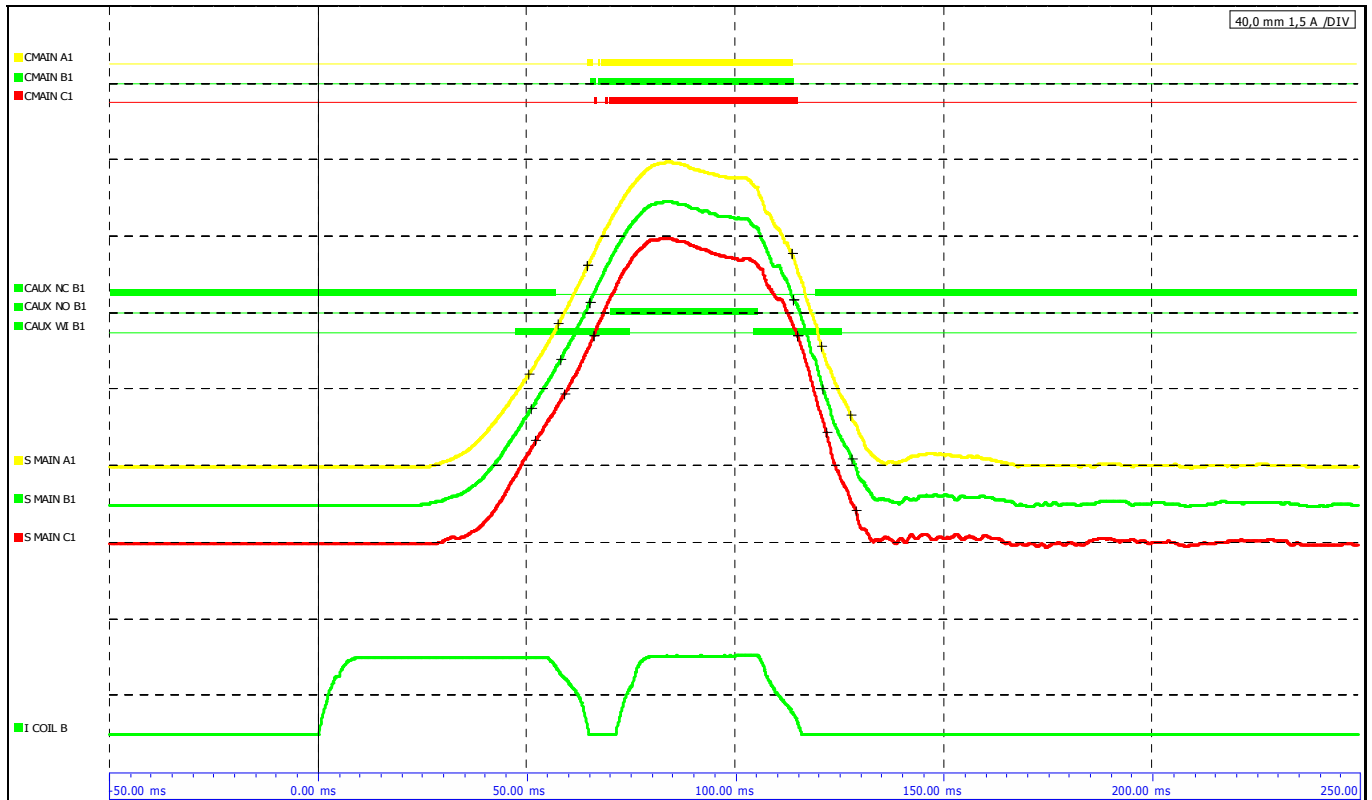


Breaker parameters

Customer SC Dnestrenergo
SAP - Nr.: 181514_10
Type GL 312 F1
Serial No. 181514-10/1A
Production Year 2015

Device Data

Testname: CO
U Coil 220 Volt
U Motor 220 Volt
Test pressure 0,46 MPa



Results	Pole A	Pole B	Pole C	Unit
C Speed	4,33	4,25	4,39	m/s
O Speed	6,87	6,65	7,24	m/s
Stroke	158,84	158,49	159,06	mm
C Wipe	53,92	52,85	50,35	mm
O Time	42,3	42,7	43,6	ms
C Time	64,6	65,1	66,1	ms
CO Time	49,1	49,0	48,9	ms
Current Max	-	1,52	-	A
Current Max	-	1,56	-	A
Voltage	-	220,00	-	Volt
Voltage	-	220,00	-	Volt
C Time Async	1,5			ms
O Time Async	1,3			ms

Date: 03.03.2015 10:19:59 Tester: Gimmler Signature:

Breaker test report

GRID

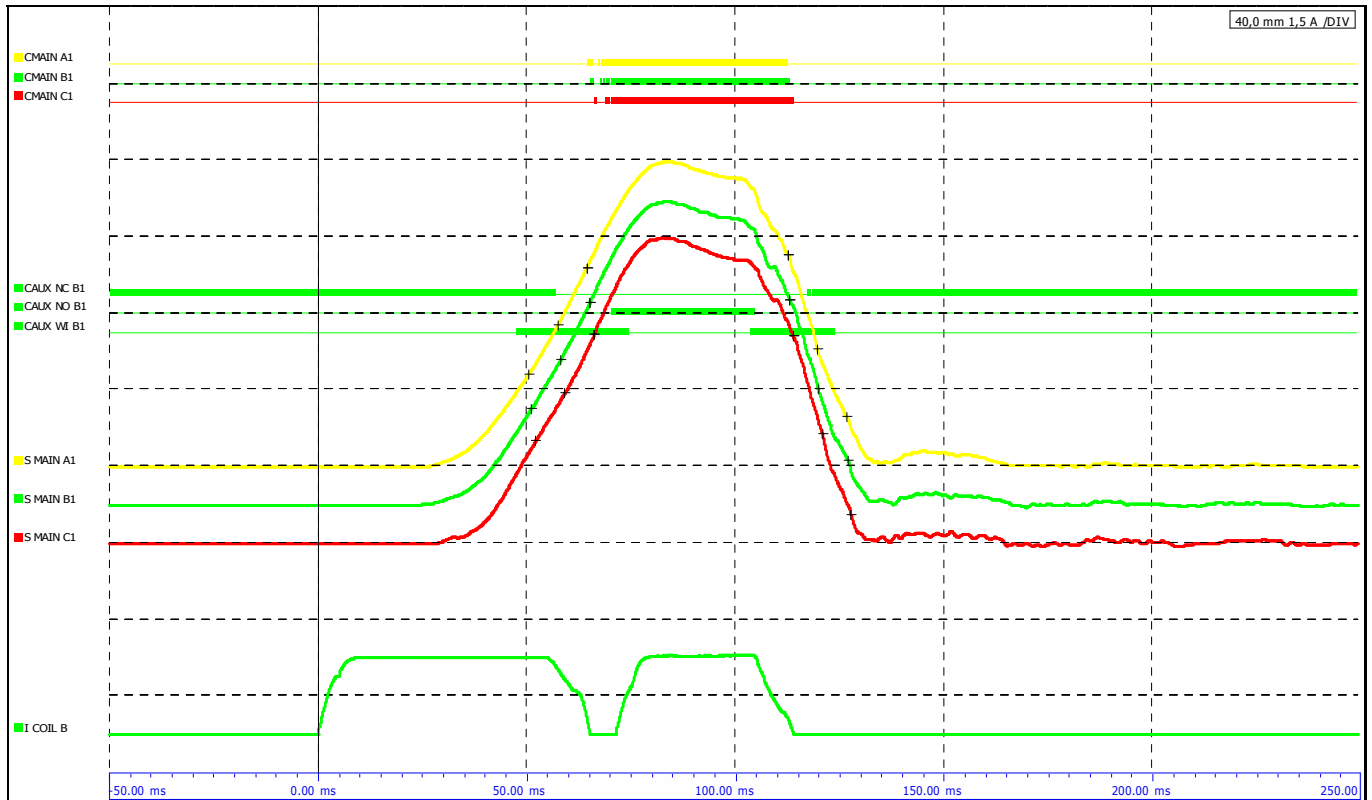


Breaker parameters

Customer SC Dnestrenergo
SAP - Nr.: 181514_10
Type GL 312 F1
Serial No. 181514-10/1A
Production Year 2015

Device Data

Testname: CO
U Coil 220 Volt
U Motor 220 Volt
Test pressure 0,46 MPa



Results	Pole A	Pole B	Pole C	Unit
C Speed	4,31	4,26	4,36	m/s
O Speed	6,98	6,69	7,32	m/s
Stroke	159,08	158,41	159,31	mm
C Wipe	55,25	52,73	50,35	mm
O Time	41,4	41,7	42,6	ms
C Time	64,5	65,3	66,3	ms
CO Time	48,4	47,9	47,8	ms
Current Max	-	1,52	-	A
Current Max	-	1,56	-	A
Voltage	-	220,00	-	Volt
Voltage	-	220,00	-	Volt
C Time Async	1,8			ms
O Time Async	1,2			ms

Date: 03.03.2015 10:19:25 Tester: Gimmler Signature:

Breaker test report

GRID

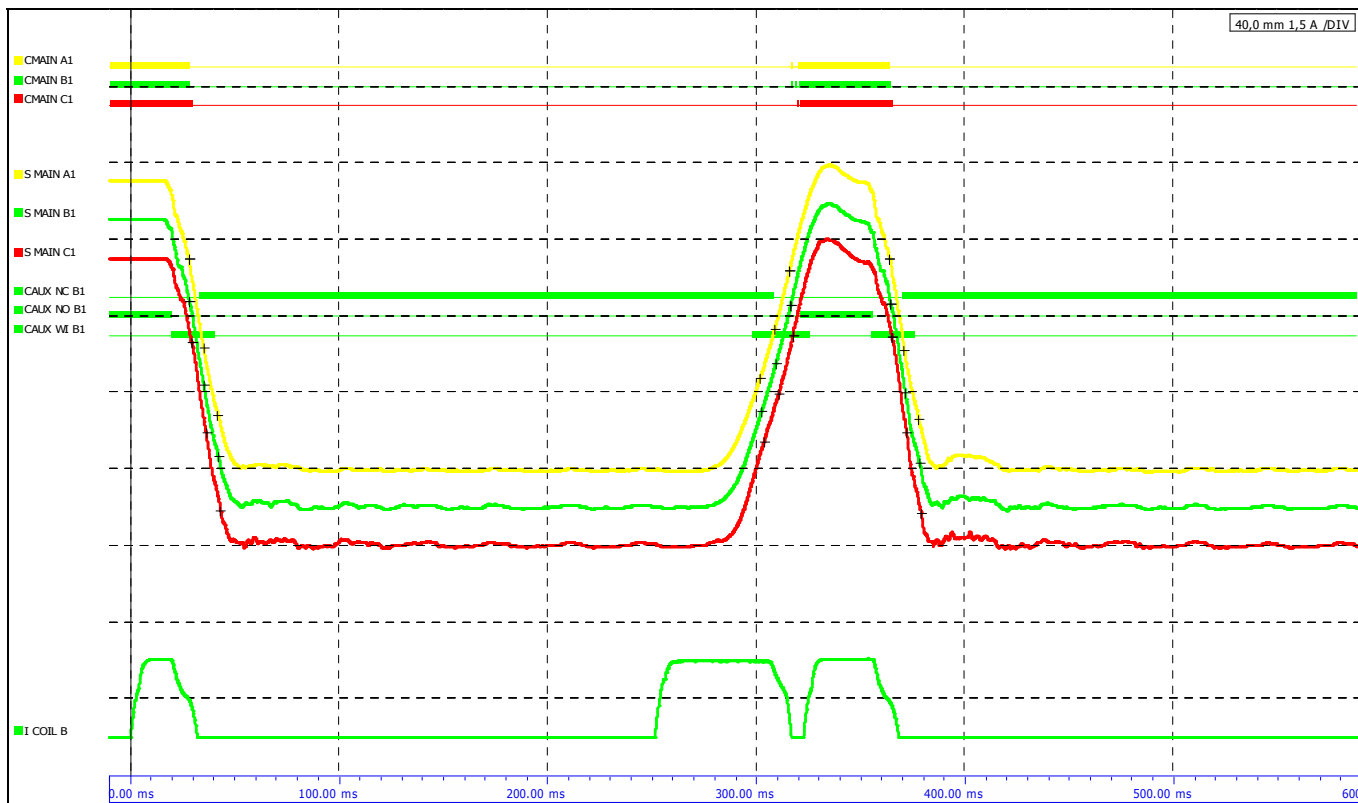


Breaker parameters

Customer: SC Dnestrenergo
SAP - Nr.: 181514_10
Type: GL 312 F1
Serial No.: 181514-10/1A
Production Year: 2015

Device Data

Testname: O-t-CO
U Coil: 220 Volt
U Motor: 220 Volt
Test pressure: 0,46 MPa



Results	Pole A	Pole B	Pole C	Unit
C Speed	4,34	4,28	4,42	m/s
O Speed	6,82	6,59	7,11	m/s
Stroke	150,88	150,49	149,98	mm
CO Time	48,4	48,1	47,7	ms
OC Time	288,6	289,0	289,1	ms
Current Max	-	1,50	-	A
Voltage	-	220,00	-	Volt
Current Max	-	1,55	-	A
Voltage	-	220,00	-	Volt
C Time Async	1,8			ms
O Time Async	1,1			ms
O Time	41,6	41,9	42,7	ms
C Time	64,5	65,1	66,3	ms

Date: 03.03.2015 10:26:32 Tester: Gimmmler Signature:

Breaker test report

GRID

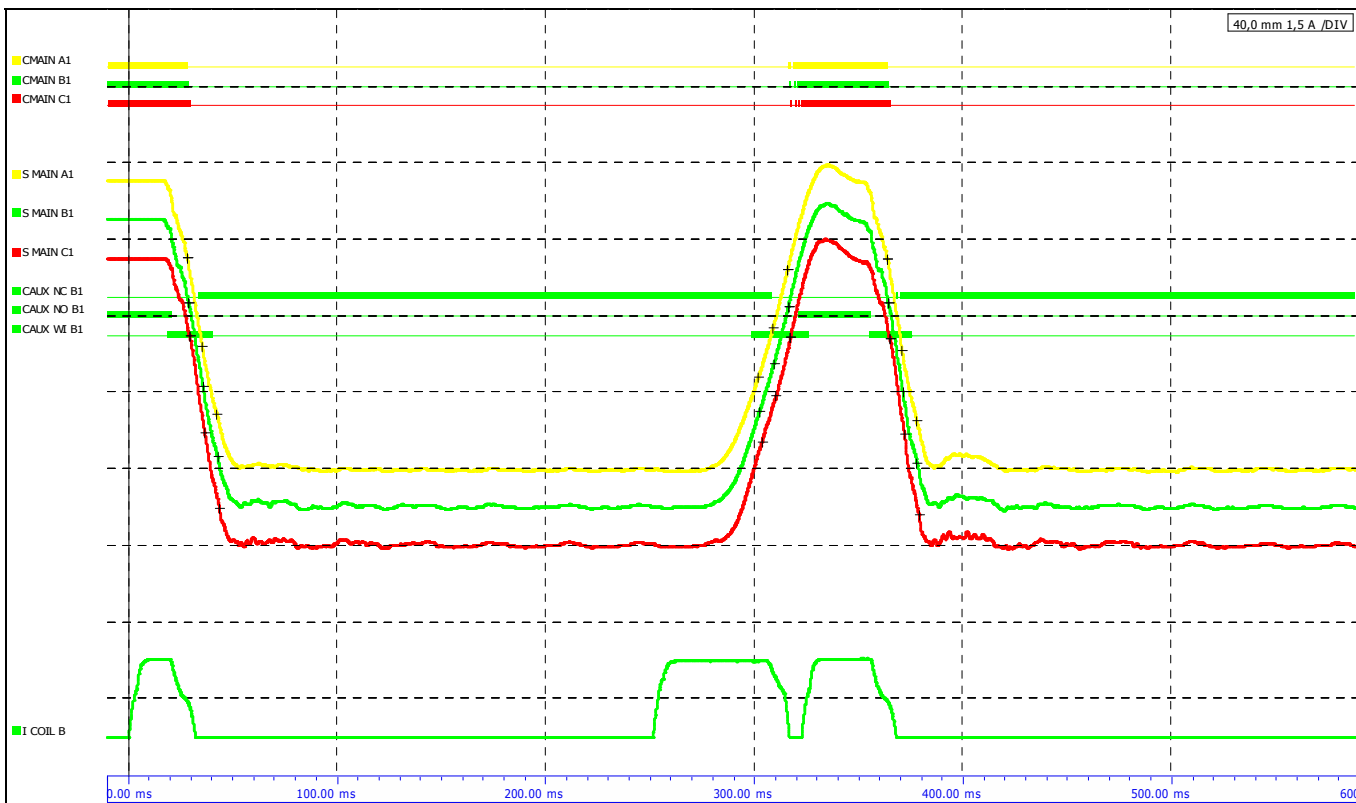


Breaker parameters

Customer: SC Dnestrenergo
SAP - Nr.: 181514_10
Type: GL 312 F1
Serial No.: 181514-10/1A
Production Year: 2015

Device Data

Testname: O-t-CO
U Coil: 220 Volt
U Motor: 220 Volt
Test pressure: 0,46 MPa



Results	Pole A	Pole B	Pole C	Unit
C Speed	4,34	4,27	4,40	m/s
O Speed	6,82	6,61	7,15	m/s
Stroke	150,95	150,59	150,03	mm
CO Time	48,1	47,9	47,7	ms
OC Time	288,4	288,5	288,7	ms
Current Max	-	1,51	-	A
Voltage	-	220,00	-	Volt
Current Max	-	1,55	-	A
Voltage	-	220,00	-	Volt
C Time Async	1,6			ms
O Time Async	1,2			ms
O Time	41,3	41,6	42,5	ms
C Time	64,5	65,0	66,1	ms

Date: 03.03.2015 10:25:49 Tester: Gimmler Signature:

Breaker test report

GRID

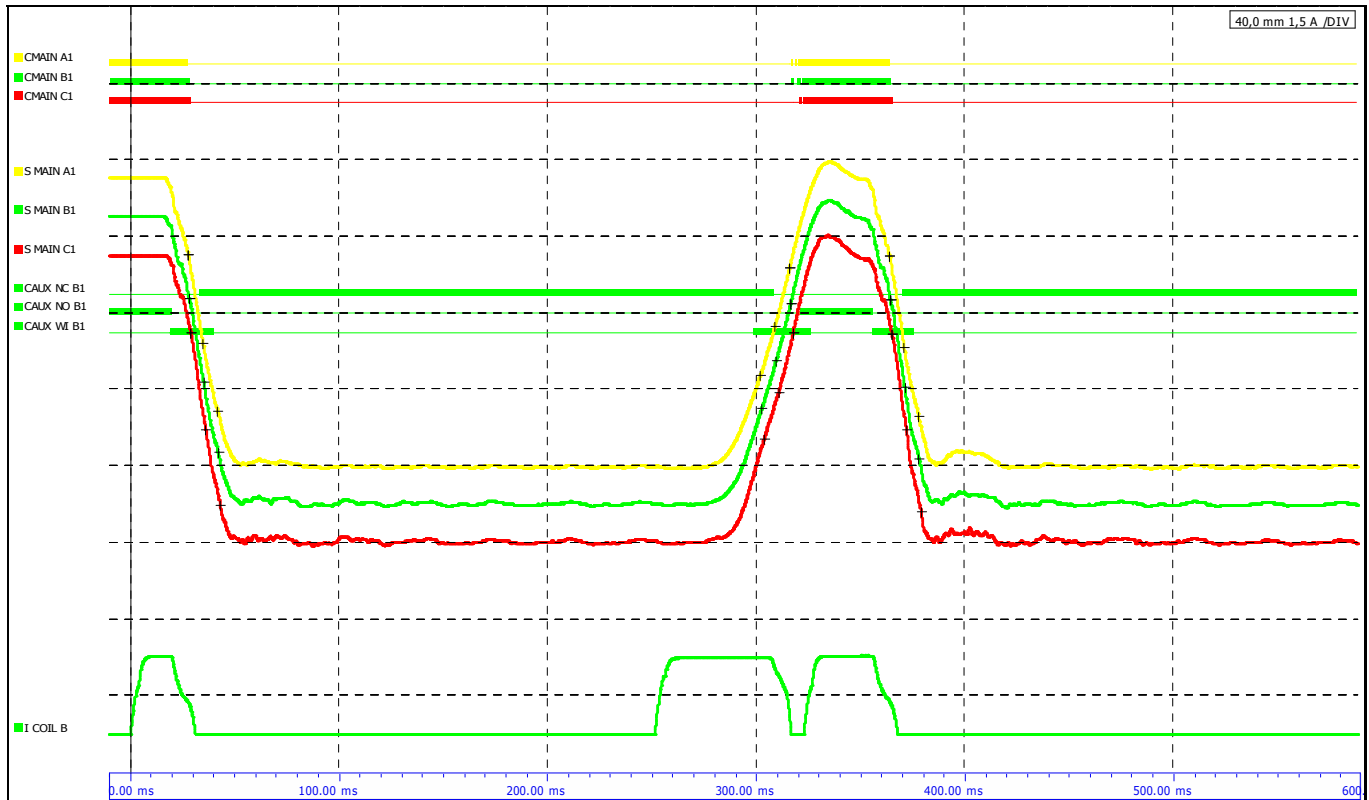


Breaker parameters

Customer SC Dnestrenergo
SAP - Nr.: 181514_10
Type GL 312 F1
Serial No. 181514-10/1A
Production Year 2015

Device Data

Testname: O-t-CO
U Coil 220 Volt
U Motor 220 Volt
Test pressure 0,46 MPa



Results	Pole A	Pole B	Pole C	Unit
C Speed	4,34	4,27	4,43	m/s
O Speed	6,82	6,60	7,10	m/s
Stroke	150,94	150,53	150,09	mm
CO Time	48,2	47,8	47,5	ms
OC Time	288,9	289,2	289,4	ms
Current Max	-	1,51	-	A
Voltage	-	220,00	-	Volt
Current Max	-	1,55	-	A
Voltage	-	220,00	-	Volt
C Time Async	1,8			ms
O Time Async	1,1			ms
O Time	41,3	41,5	42,4	ms
C Time	64,6	65,2	66,4	ms

Date: 03.03.2015 10:25:14 Tester: Gimmler Signature:

Breaker test report

GRID

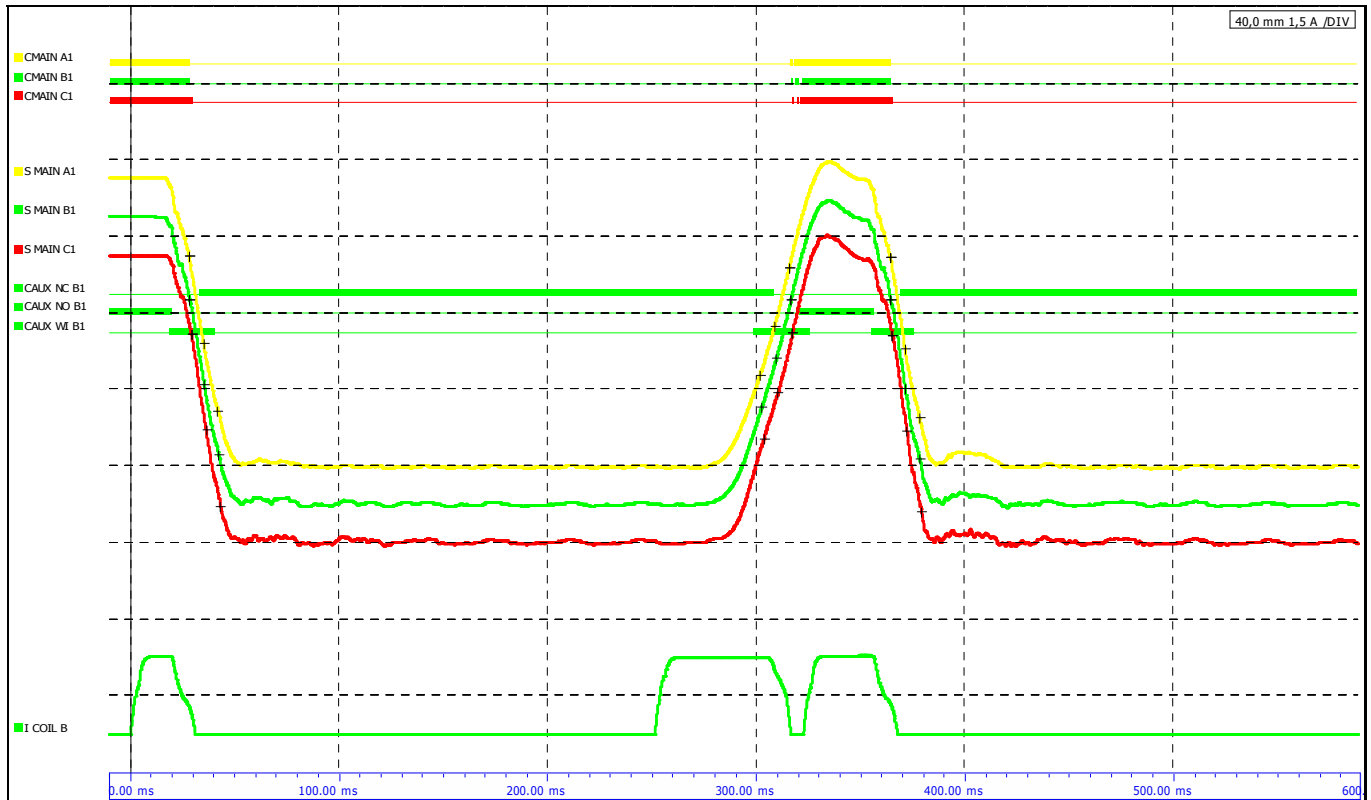


Breaker parameters

Customer SC Dnestrenergo
SAP - Nr.: 181514_10
Type GL 312 F1
Serial No. 181514-10/1A
Production Year 2015

Device Data

Testname: O-t-CO
U Coil 220 Volt
U Motor 220 Volt
Test pressure 0,46 MPa



Results	Pole A	Pole B	Pole C	Unit
C Speed	4,34	4,33	4,41	m/s
O Speed	6,85	6,62	7,11	m/s
Stroke	150,85	150,35	150,01	mm
CO Time	48,7	47,9	48,0	ms
OC Time	288,5	289,1	289,0	ms
Current Max	-	1,51	-	A
Voltage	-	220,00	-	Volt
Current Max	-	1,55	-	A
Voltage	-	220,00	-	Volt
C Time Async	1,8			ms
O Time Async	1,1			ms
O Time	41,8	42,0	42,9	ms
C Time	64,4	65,4	66,2	ms

Date: 03.03.2015 10:24:39 Tester: Gimmler Signature:

Breaker test report

GRID

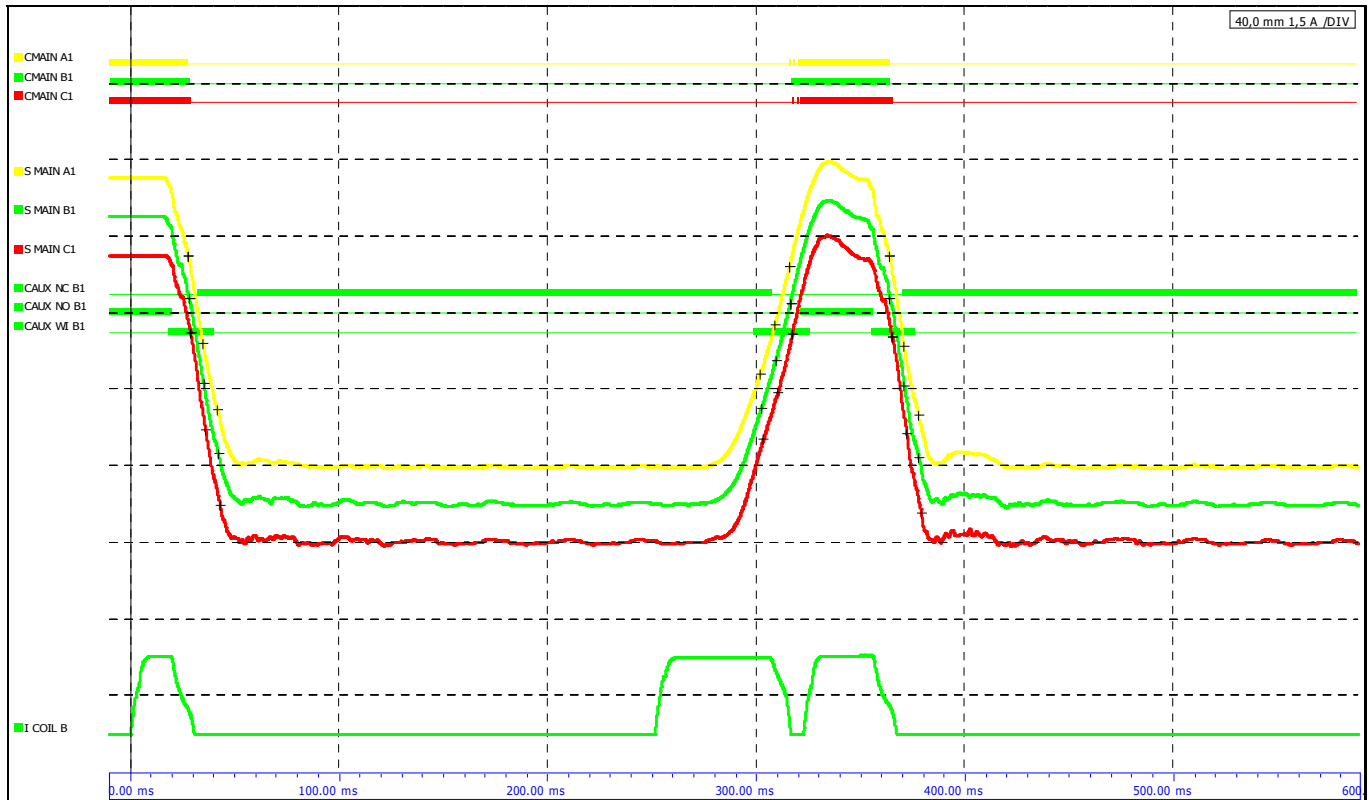


Breaker parameters

Customer SC Dnestrenergo
SAP - Nr.: 181514_10
Type GL 312 F1
Serial No. 181514-10/1A
Production Year 2015

Device Data

Testname: O-t-CO
U Coil 220 Volt
U Motor 220 Volt
Test pressure 0,46 MPa



Results	Pole A	Pole B	Pole C	Unit
C Speed	4,35	4,26	4,38	m/s
O Speed	6,73	6,51	7,19	m/s
Stroke	150,85	150,49	149,99	mm
CO Time	48,1	47,9	48,0	ms
OC Time	289,0	289,0	289,2	ms
Current Max	-	1,52	-	A
Voltage	-	220,00	-	Volt
Current Max	-	1,55	-	A
Voltage	-	220,00	-	Volt
C Time Async	1,5			ms
O Time Async	1,4			ms
O Time	41,5	41,7	42,9	ms
C Time	64,5	64,9	66,0	ms

Date: 03.03.2015 10:23:40 Tester: Gimmler Signature:

Breaker test report

GRID

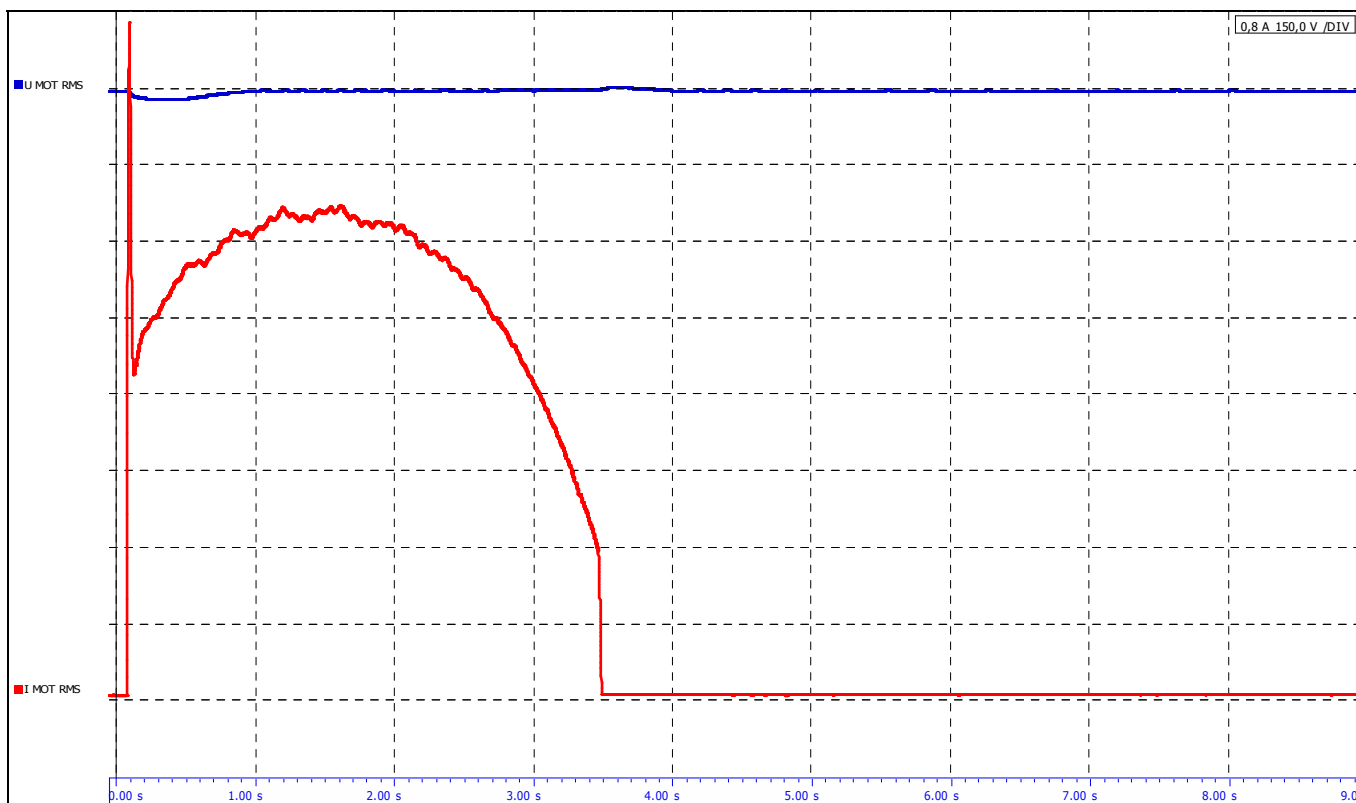


Breaker parameters

Customer SC Dnestrenergo
SAP - Nr.: 181514_10
Type GL 312 F1
Serial No. 181514-10/1A
Production Year 2015

Device Data

Testname: Motor Nenn
U Coil 220 Volt
U Motor 220 Volt
Test pressure 0,46 MPa



Results	Pole A	Pole B	Pole C	Unit
Start Current	7,09	-	-	A
Current Max	5,18	-	-	A
Run Time	3,42	-	-	s
Voltage	220,53	-	-	Volt

Date: 03.03.2015 10:27:15 Tester: Gimmler Signature:

Breaker test report

GRID

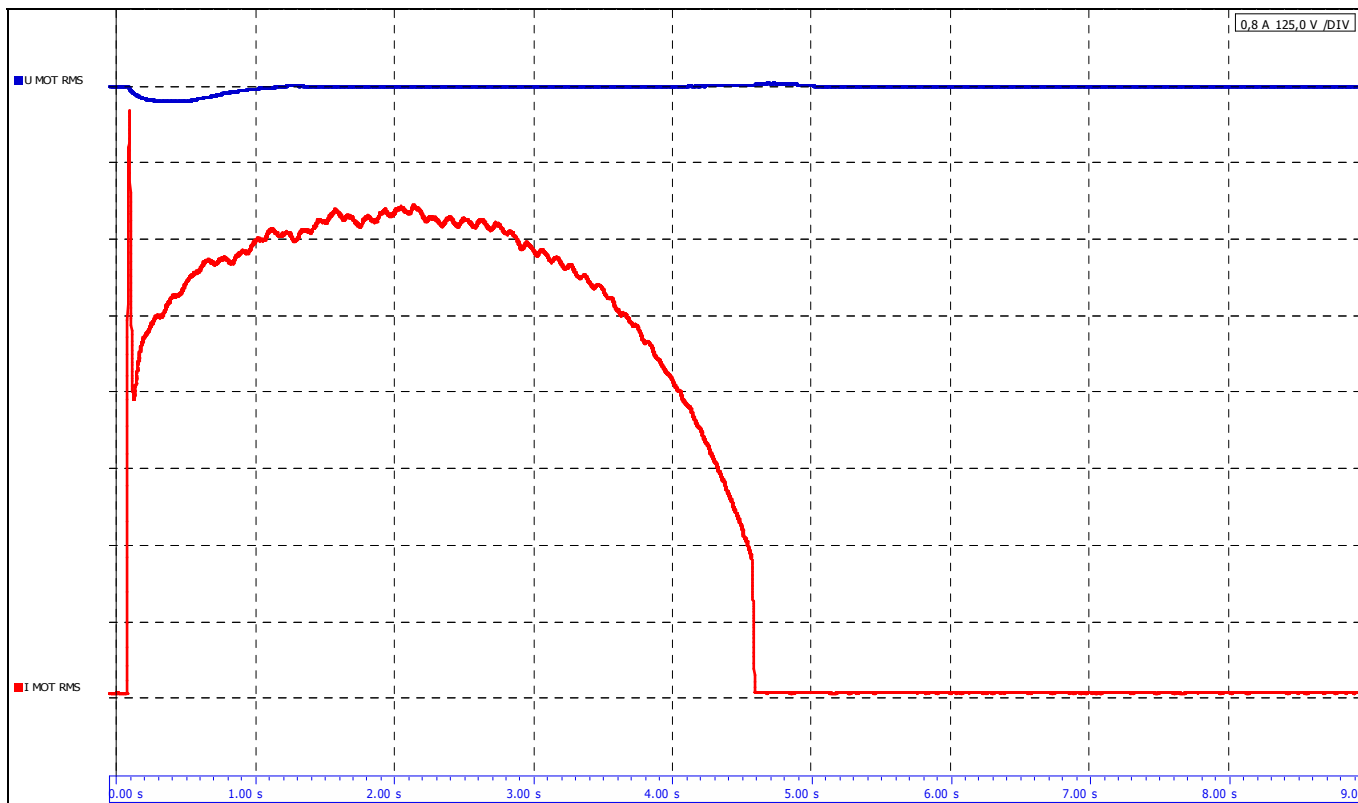


Breaker parameters

Customer: SC Dnestrenergo
SAP - Nr.: 181514_10
Type: GL 312 F1
Serial No.: 181514-10/1A
Production Year: 2015

Device Data

Testname: Motor Min
U Coil: 220 Volt
U Motor: 220 Volt
Test pressure: 0,46 MPa



Results	Pole A	Pole B	Pole C	Unit
Start Current	6,15	-	-	A
Current Max	5,16	-	-	A
Run Time	4,53	-	-	s
Voltage	186,81	-	-	Volt

Date: 03.03.2015 10:28:20 Tester: Gimmler Signature:

Breaker test report

GRID

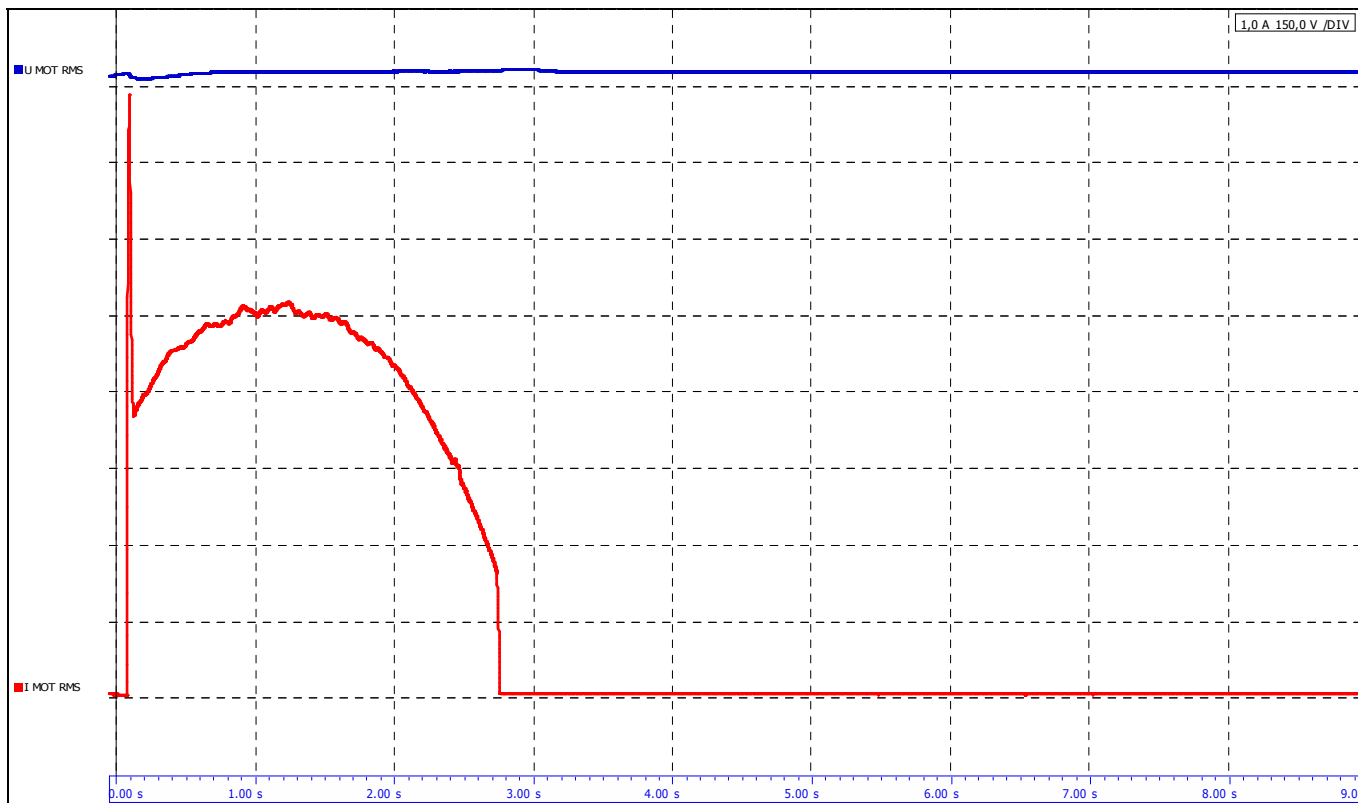


Breaker parameters

Customer: SC Dnestrenergo
SAP - Nr.: 181514_10
Type: GL 312 F1
Serial No.: 181514-10/1A
Production Year: 2015

Device Data

Testname: Motor Max
U Coil: 220 Volt
U Motor: 220 Volt
Test pressure: 0,46 MPa



Results	Pole A	Pole B	Pole C	Unit
Start Current	7,90	-	-	A
Current Max	5,19	-	-	A
Run Time	2,69	-	-	s
Voltage	246,30	-	-	Volt

Date: 03.03.2015 10:29:09 Tester: Gimmler Signature: