



TEST REPORT

Type: PS 3200-02 C
Article number: 35320210
Serial number: 2919680158

STATUS

Pass

DEVICE DATA

Manufacturer : EA Elektro-Automatik GmbH & Co. KG
Type : PS 3200-02 C
Article number : 35320210
Serial number : 2919680158

DATE & TIME

Date : 2020-04-22
Start time : 02:38:49
End time : 02:51:19

TEST ENVIRONMENT


Procedure : PS3000C__Adjustment__013
Test software : 7.11
Temperature : 23 (+/-5) °C
Humidity : 20% to 80% RH

TESTER

Name or number : 030203

TEST EQUIPMENT

<u>Model number</u>	<u>Model description</u>	<u>Trace number</u>	<u>Cal due date</u>
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Markus Stops
Production Manager

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Description	Required	Result [diff]	Result [% of tol.]	Tolerance	Status
UUT: Check external sense = on	External sense=on			External sense=on	PASS
UUT: Check external sense = off	External sense=off			External sense=off	PASS
SYSTEM: Round OVP time				10.000000	PASS
SYSTEM: Round OCP time				10.000000	PASS
SYSTEM: Round OPP time				10.000000	PASS
UUT: Calibration Uset large					PASS
UUT: Calibration Uset small					PASS
UUT: Calibration Uset sense large					PASS
UUT: Calibration Uset sense small					PASS
UUT: Calibration Iset large					PASS
UUT: Calibration Iset small					PASS
UUT: Calibration Umon large					PASS
UUT: Calibration Umon small					PASS
UUT: Calibration Umon sense large					PASS
UUT: Calibration Umon sense small					PASS
UUT: Calibration Imon large					PASS
UUT: Calibration Imon small					PASS
UUT: Calibration Pset large					PASS
UUT: Calibration Pset small					PASS
UUT: Check device class	57			57	PASS
UUT: Check type name	PS 3200-02 C			PS 3200-02 C	PASS
UUT: Check nominal voltage	200			200.000V	PASS
UUT: Check nominal current	2			2.000A	PASS
UUT: Check nominal power	160			160.000W	PASS
UUT: Check article number	35320210			35320210	PASS
UUT: Check serial number	2919680158			2919680158	PASS
UUT: Read Firmware version (KE)				V2.02 23.10.2017	PASS
UUT: Read Firmware version (HMI)				V2.02 20.10.2017	PASS
UUT: Read Firmware version (DR)				V2.01	PASS
UUT: Check regulation mode = CV	Regulation mode=cv			Regulation mode=CV	PASS
UUT: Voltage programming accuracy (0.5%)	1.0000V	-0.0025V	-1.2300%	+0.1%	PASS
UUT: Voltage programming accuracy (50%)	100.0000V	-0.0396V	-19.7930%	+0.1%	PASS
UUT: Voltage programming accuracy (95%)	190.0000V	-0.0482V	-24.0810%	+0.1%	PASS
UUT: Voltage read back accuracy (0.5%)	0.9975V	0.0172V	4.2963%	+0.2%	PASS
UUT: Voltage read back accuracy (50%)	99.9604V	0.0625V	15.6188%	+0.2%	PASS
UUT: Voltage read back accuracy (95%)	189.9518V	0.0535V	13.3757%	+0.2%	PASS
UUT: Check regulation mode = CC	Regulation mode=cc			Regulation mode=CC	PASS
UUT: Current programming accuracy (0.5%)	0.0100A	0.0005A	11.5033%	+0.2%	PASS
UUT: Current programming accuracy (50%)	1.0000A	-0.0007A	-17.0998%	+0.2%	PASS
UUT: Current programming accuracy (95%)	1.9000A	-0.0009A	-22.5674%	+0.2%	PASS
UUT: Current read back accuracy (0.5%)	0.0105A	-0.0000A	-0.2033%	+0.2%	PASS
UUT: Current read back accuracy (50%)	0.9993A	0.0008A	20.9248%	+0.2%	PASS
UUT: Current read back accuracy (95%)	1.8991A	0.0008A	20.0924%	+0.2%	PASS
DTS: Measure voltage OP1	200.0000V	-0.03136V	-15.6808%	+0.1%	PASS
DTS: Measure voltage OP2	200.0000V	-0.02642V	-13.2092%	+0.1%	PASS
DTS: Measure voltage OP3	78.4000V	-0.00628V	-3.1401%	+0.1%	PASS
UUT: Check regulation mode = CP	Regulation mode=cp			Regulation mode=CP	PASS
DTS: Constant power accuracy P2	160.0000W	-0.69397W	-43.3730%	+1%	PASS
DTS: Constant power accuracy P2-P3	160.0000W	0.35631W	22.2695%	+1%	PASS
DTS: Constant power accuracy P3	160.0000W	0.72208W	45.1303%	+1%	PASS
DTS/Oscilloscope DSO-X: Output voltage ripple at full power (AC RMS)	0.0000V	0.0072V	55.7308%	0.0130V	PASS
UUT: Voltage load effect P2	0.0000V	0.00580V	5.8020%	+0.05%	PASS
UUT: Voltage load effect P3	0.0000V	-0.01602V	-16.0190%	+0.05%	PASS
UUT: Current load effect P2	0.0000A	-0.00078A	-25.8489%	+0.15%	PASS
UUT: Current load effect P3	0.0000A	-0.00010A	-3.4323%	+0.15%	PASS
Oscilloscope DSO-X: Voltage Up Programming at Maximum Load	0.0000sec	0.14433sec	48.1093%	0.3000sec	PASS
UUT: Check alarm mode OVP = ON 100%	OVP=active			OVP=active	PASS
UUT: Check alarm mode OVP = OFF	OVP=none			OVP=none	PASS
UUT: Check alarm mode OCP = ON	OCP=active			OCP=active	PASS
UUT: Check alarm mode OCP = OFF	OCP=none			OCP=none	PASS



**Elektro-
Automatik**

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Serial number: 2919680158

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Pass

Description	Required	Result [diff]	Result [% of tol.]	Tolerance	Status
Oscilloscope DSO-X: Voltage Down Programming 200V to 60V (Zero load)	0.0000sec	6.48000sec	64.8000%	10.0000sec	PASS