



Certificate of Compliance

Certificate: 2669413

Master Contract: 203213 (203213)

Project: 70215360

Date Issued: 2019-03-22

Issued to: **Fronius International GmbH**
Guenter Fronius Strasse 1
Wels-Thalheim, Upper Austria 4600
AUSTRIA
Attention: Josef Feichtinger

The products listed below are eligible to bear the CSA Mark shown with adjacent indicators 'C' and 'US' for Canada and US or with adjacent indicator 'US' for US only or without either indicator for Canada only.



Issued by: *Ramana Tangirala*
Ramana Tangirala

PRODUCTS

PART A:

PART A1:

Model TPS 500i (/nc) followed by suffixes, inverter type welding power sources, for MIG/MAG and Rod Electrode welding processes, rated as follows:

Input: 460V, 35A(max.), 22A(eff.) / 400V, 38A (max), 24A(eff.); 3 phase, 50 or 60Hz

Output: 32.0V, 360Adc, 100% Duty Cycle; 35.5V, 430Adc, 60% Duty Cycle; 39.0V, 500Adc, 40% Duty Cycle

Max. OCV: 82Vpeak

IP-23

PART A2:

Model TPS 400i (/nc) followed by suffixes, inverter type welding power sources, for MIG/MAG and Rod Electrode welding processes, rated as follows:

Input: 460V, 24A(max.), 15A(eff.) / 400V, 26A (max), 16A(eff.); 3 phase, 50 or 60Hz

Output: 30.0V, 320Adc, 100% Duty Cycle; 32.0V, 360Adc, 60% Duty Cycle; 34.0V, 400Adc, 40% Duty Cycle

Max. OCV: 83Vpeak

IP-23



Certificate: 2669413
Project: 70215360

Master Contract: 203213
Date Issued: 2019-03-22

PART A3:

Model TPS 320i (/nc) followed by suffixes, inverter type welding power sources, for MIG/MAG and Rod Electrode welding processes, rated as follows:

Input: 460V, 18A(max.), 12A(eff.) / 400V, 20A (max), 13A(eff.); 3 phase, 50 or 60Hz

Output: 26.0V, 240Adc, 100% Duty Cycle; 27.0V, 260Adc, 60% Duty Cycle; 30.0V, 320Adc, 40% Duty Cycle

Max. OCV: 84Vpeak

IP-23

PART A4:

Model TPS 400i LSC ADV (/nc) followed by suffixes, inverter type welding power sources, for MIG/MAG and Rod Electrode welding processes, rated as follows:

Input: 460V, 24A(max.), 15A(eff.) / 400V, 26A (max), 17A(eff.); 3 phase, 50 or 60Hz

Output: 30.0V, 320Adc, 100% Duty Cycle; 32.0V, 360Adc, 60% Duty Cycle; 34.0V, 400Adc, 40% Duty Cycle

Max. OCV: 84Vpeak

IP-23

PART A5:

Model TPS 600i (/nc) followed by suffixes, inverter type welding power sources, for MIG/MAG and Rod Electrode welding processes, rated as follows:

Input: 460V, 51A(max.), 39A(eff.) / 400V, 58A (max), 45A(eff.); 3 phase, 50 or 60Hz

Output: 39.0V, 500Adc, 100% Duty Cycle; 44.0V, 600Adc, 60% Duty Cycle

Max. OCV: 85Vpeak

IP-23

PART B:

PART B1:

Model TPS 500i (/600V/nc) followed by suffixes, inverter type welding power sources, for MIG/MAG and Rod Electrode welding processes, rated as follows:

Input: 575V, 31A(max.), 20A(eff.); 3 phase, 50 or 60Hz

Output: 32.0V, 360Adc, 100% Duty Cycle; 35.5V, 430Adc, 60% Duty Cycle; 39.0V, 500Adc, 40% Duty Cycle

Max. OCV: 71Vpeak

IP-23

PART B2:

Model TPS 400i (/600V/nc) followed by suffixes, inverter type welding power sources, for MIG/MAG and Rod Electrode welding processes, rated as follows:

Input: 575V, 23A(max.), 15A(eff.); 3 phase, 50 or 60Hz

Output: 30.0V, 320Adc, 100% Duty Cycle; 32.0V, 360Adc, 60% Duty Cycle; 34.0V, 400Adc, 40% Duty Cycle

Max. OCV: 68Vpeak

IP-23

PART B3:

Model TPS 320i (/600V/nc) followed by suffixes, inverter type welding power sources, for MIG/MAG and Rod Electrode welding processes, rated as follows:

Input: 575V, 17A(max.), 11A(eff.); 3 phase, 50 or 60Hz

Output: 26.0V, 240Adc, 100% Duty Cycle; 27.0V, 260Adc, 60% Duty Cycle; 30.0V, 320Adc, 40% Duty Cycle

Max. OCV: 67Vpeak

IP-23



Certificate: 2669413
Project: 70215360

Master Contract: 203213
Date Issued: 2019-03-22

PART B4:

Model TPS 400i LSC ADV (/600V/nc) followed by suffixes, inverter type welding power sources, for MIG/MAG and Rod Electrode welding processes, rated as follows:

Input: 575V, 23A(max.), 15A(eff.); 3 phase, 50 or 60Hz

Output: 30.0V, 320Adc, 100% Duty Cycle; 32.0V, 360Adc, 60% Duty Cycle; 34.0V, 400Adc, 40% Duty Cycle

Max. OCV: 70Vpeak

IP-23

PART B5:

Model TPS 600i (/600V/nc) followed by suffixes, inverter type welding power sources, for MIG/MAG and Rod Electrode welding processes, rated as follows:

Input: 575V, 49A(max.), 38A(eff.); 3 phase, 50 or 60Hz

Output: 39.0V, 500Adc, 100% Duty Cycle; 44.0V, 600Adc, 60% Duty Cycle

Max. OCV: 73Vpeak

IP-23

PART C:

PART C1:

Model TPS 500i (/MV/nc) followed by suffixes, inverter type welding power sources, for MIG/MAG and Rod Electrode welding processes, rated as follows:

Input: 460V, 33A(max.), 21A(eff.) / 230V, 63A (max), 39A(eff.); 3 phase, 50 or 60Hz

Output: 32.0V, 360Adc, 100% Duty Cycle; 35.5V, 430Adc, 60% Duty Cycle; 39.0V, 500Adc, 40% Duty Cycle

Max. OCV: 68Vpeak

IP-23

PART C2:

Model TPS 400i (/MV/nc) followed by suffixes, inverter type welding power sources, for MIG/MAG and Rod Electrode welding processes, rated as follows:

Input: 460V, 23A(max.), 14A(eff.) / 230V, 42A (max), 27A(eff.); 3 phase, 50 or 60Hz

Output: 30.0V, 320Adc, 100% Duty Cycle; 32.0V, 360Adc, 60% Duty Cycle; 34.0V, 400Adc, 40% Duty Cycle

Max. OCV: 67Vpeak

IP-23

PART C3:

Model TPS 320i (/MV/nc) followed by suffixes, inverter type welding power sources, for MIG/MAG and Rod Electrode welding processes, rated as follows:

Input: 460V, 17A(max.), 11A(eff.) / 230V, 31A (max), 19A(eff.); 3 phase, 50 or 60Hz

Output: 26.0V, 240Adc, 100% Duty Cycle; 27.0V, 260Adc, 60% Duty Cycle; 30.0V, 320Adc, 40% Duty Cycle

Max. OCV: 68Vpeak

IP-23

PART C4:

Model TPS 400i LSC ADV (/MV/nc) followed by suffixes, inverter type welding power sources, for MIG/MAG and Rod Electrode welding processes, rated as follows:

Input: 460V, 23A(max.), 14A(eff.) / 230V, 42A (max), 27A(eff.); 3 phase, 50 or 60Hz

Output: 30.0V, 320Adc, 100% Duty Cycle; 32.0V, 360Adc, 60% Duty Cycle; 34.0V, 400Adc, 40% Duty Cycle

Max. OCV: 67Vpeak

IP-23



Certificate: 2669413
Project: 70215360

Master Contract: 203213
Date Issued: 2019-03-22

PART D: ACCESSORIES for Models “TPS 500i”, “TPS 400i”, “TPS 320i”:

RC Panel Basic, RC Panel Standard, RC Panel Pro, AI IO/i, RI IO/i, RI IO PRO/i, RI FB Pro/i and RI FB Inside/i: Remote control units employed in conjunction with power sources, Supply Voltage 24V.

NOTE:

- The installation of equipment not provided with power plug and cord is subject to Approval of the Local Inspection Authority.

APPLICABLE REQUIREMENTS

CAN/CSA E60974-1	- Arc Welding Equipment – Part 1: Welding Power Sources
ANSI/IEC 60974-1	- Arc Welding Equipment; Part 1: Welding Power Sources



Supplement to Certificate of Compliance

Certificate: 2669413

Master Contract: 203213 (203213)

The products listed, including the latest revision described below, are eligible to be marked in accordance with the referenced Certificate.

Product Certification History

Project	Date	Description
70215360	2019-03-22	Covers alternate components (Power Rectifier -Item 4 of Part A1, PCB Assembly- Item 9c pf Part A1 and PCB Assembly- Item 9d of Parts A2, A4, B2, B4, C2 and C4).
70144859	2017-07-20	covers alternate remote control Welding Equipment accessory "Remote Control Pro" as covered under Part D and alternate layout of the PCB (NT241 V1.5 and NT 601 V1-5) as covered under items 9b and 9c of Part A1(III. 18a and 19a).
70071187	2016-04-27	covers new PCB (BPSEL3200, BPSEL3200MV) as an alternative to BPS 4000(Item 9d). It also covers new PCB BLT 5002 as an alternative to BLT 5000 and new capacitor KEMET C44U.
70025699	2015-04-23	covers new PCB (BPS3200) instead of BPS 4000(Item 9d) and correction to primary Inductor (not present, Part B5, Item 7).
2743328	2014-10-03	Covers original certification of Models TPS 400i LSC ADV (/nc), TPS 600i (/nc), TPS 400i LSC ADV (/600V/nc), TPS 600i (/600V/nc), TPS 400i LSC ADV (/MV/nc) and accessory RI FB PRO/I. Also covers corrections as identified in Test section.
2669413	2013-11-07	Original Certification of Models "TPS 320i, TPS 400i and TPS 500i" Inverter type Welding Power Sources