

M2-, M4-Serie – AC-Steuerung

AMADA WELD TECH bietet eine Vielzahl von AC-Steuerungen, die speziell auf die Bedürfnisse der einzelnen Anwendungen zugeschnitten sind. Wechselstromquellen (AC) mit Phasenwinkelsteuerung sind meist die günstigste Alternative zu anderen Technologien.

Spezifikationen M2-, M4-Serie – AC-Steuerung

- Anwendungsspezifische Modifikationen verfügbar
- Variable Schweißspannung
- Funktionelle Bedienung

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Specifications M2-, M4-Serie – AC-Steuerung 1/2

Kriterien	M2L	M2P	M4L
Konfigurationshardware	Compact Tower AC power supply for external welding transformers; with integrated power stage	Compact Tower AC power supply for external welding transformers; with integrated power stage	Compact 19" flat AC Power supply with air control unit, without main stage
Sondermerkmale	M2P and M4P are equipped with external program selection and proportional valve control	M2P and M4P are equipped with external program selection and proportional valve control	M2P and M4P are equipped with external program selection and proportional valve control
Allgemeine Optionen	Cycle control unit; 3-point electrodes for Insulated wire welding, other voltages; external weld schedules with 99 programs via BCD selection	Cycle control unit; 3-point electrodes for Insulated wire welding, other voltages; external weld schedules with 99 programs via BCD selection	Cycle control unit; 3-point electrodes for Insulated wire welding, other voltages; external weld schedules with 99 programs via BCD selection
Sonderoptionen	.	.	Integral air cassette C40 (M4L) or CPV (M4P)
Versorgungsspannung	400 V AC +/3 10% (440/480 V optional for M4L and M4P)	400 V AC +/3 10% (440/480 V optional for M4L and M4P)	400 V AC +/3 10% (440/480 V optional for M4L and M4P)
Hauptfrequenz	50-60 Hz	50-60 Hz	50-60 Hz
Anschlussnennwert	4.5 kVA (with TRM3 transformer)	4.5 kVA (with TRM3 transformer)	Depends on transformer
Verschmelzen	25/20A delayed	25/20A delayed	Depends on transformer
Schutzklasse	IP30	IP30	IP30
Schweißspannung	Depends on connected transformer	Depends on connected transformer	Depends on connected transformer
Leerlaufspannung	Variable via 8-step switch, Vmax is dependent on connected transformer	Variable via 8-step switch, Vmax is dependent on connected transformer	Depends on transformer
Nennleistung	Depends on connected transformer; max 15 kVA at 50% d.r.	Depends on connected transformer; max 15 kVA at 50% d.r.	Depends on transformer
Max. Nennleistung	Depends on transformer max 80 kVA	Depends on transformer max 80 kVA	Depends on transformer
Max. Schweißstrom	Depends on connected transformer	Depends on connected transformer	Depends on connected transformer
Sequence control	For weld head with stroke cylinder or for weld pincers as an option.	For weld head with stroke cylinder or for weld pincers as an option.	For weld head with stroke cylinder or for weld pincers as an option.
Steuerung / Steuermodus	Via phase angle with secondary voltage stepping switch	Via phase angle with secondary voltage stepping switch	Via phase angle with secondary voltage stepping switch
Schweißkopfsteuerung	Variable hold, rest and repeat times; as selected via air or proportional valve, with closing and welding pressure	Variable hold, rest and repeat times; as selected via air or proportional valve, with closing and welding pressure	Variable hold, rest and repeat times; as selected via air or proportional valve, with closing and welding pressure
Programmierbare und externe Schweißpläne	99	99	99
Anzahl der Schweißimpulse	2 programmable pulses	2 programmable pulses	2 programmable pulses

Schweißimpulssteuerung	Closing time, squeeze time, up-slope, on-time, down-slope	Closing time, squeeze time, up-slope, on-time, down-slope	Closing time, squeeze time, up-slope, on-time, down-slope
Wiederholbarkeit 2. Schweißimpuls	Max. 99	Max. 99	Max. 99
Weld transformer	TRM3	TRM3	TRM1, TRM3, TRM4 or TR5
Analogein- und -ausgang	M2L, M4L: none; M2P, M4P, Pressure sensor for proportional valve	M2L, M4L: none; M2P, M4P, Pressure sensor for proportional valve	M2L, M4L: none; M2P, M4P, Pressure sensor for proportional valve
Binärer Schnittstelleneingang	Start 1 to 3, quick-stop, without current	Start 1 to 3, quick-stop, without current	Start 1 to 3, quick-stop, without current
Binärer Schnittstellenausgang	Stepping contact; ready; air valve 1 to 3; locking contact; BSD selection (M2P and MP4P only)	Stepping contact; ready; air valve 1 to 3; locking contact; BSD selection (M2P and MP4P only)	Stepping contact; ready; air valve 1 to 3; locking contact; BSD selection (M2P and MP4P only)
Umgebungstemp.	0-40 °C	0-40 °C	0-40 °C
Kühlung	Water-cooled (2L/min at 3 bar)	Water-cooled (2L/min at 3 bar)	Air-cooled
Gesetzliche Genehmigung	CE compliant	CE compliant	CE compliant
Gewicht	Approx. 30 kg	Approx. 30 kg	Approx. 7.5 kg
Abmessungen (L x H x T)	220 x 420 x 570 mm	220 x 420 x 570 mm	450 x 135 x 335 mm

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Specifications M2-, M4-Serie – AC-Steuerung 2/2

Kriterien	M4P
Konfigurationshardware	Compact 19" flat AC Power supply with air control unit, without main stage
Sondermerkmale	M2P and M4P are equipped with external program selection and proportional valve control
Allgemeine Optionen	Cycle control unit; 3-point electrodes for Insulated wire welding, other voltages; external weld schedules with 99 programs via BCD selection
Sonderoptionen	Integral air cassette C40 (M4L) or CPV (M4P)
Versorgungsspannung	400 V AC +/3 10% (440/480 V optional for M4L and M4P)
Hauptfrequenz	50-60 Hz
Anschlussnennwert	Depends on transformer
Verschmelzen	Depends on transformer
Schutzklasse	IP30
Schweißspannung	Depends on connected transformer
Leerlaufspannung	Depends on transformer
Nennleistung	Depends on transformer
Max. Nennleistung	Depends on transformer
Max. Schweißstrom	Depends on connected transformer
Sequence control	For weld head with stroke cylinder or for weld pincers as an option.
Steuerung / Steuermodus	Via phase angle with secondary voltage stepping switch
Schweißkopfsteuerung	Variable hold, rest and repeat times; as selected via air or proportional valve, with closing and welding pressure
Programmierbare und externe Schweißpläne	99
Anzahl der Schweißimpulse	2 programmable pulses
Schweißimpulssteuerung	Closing time, squeeze time, up-slope, on-time, down-slope
Wiederholbarkeit 2. Schweißimpuls	Max. 99
Weld transformer	TRM1, TRM3, TRM4 or TR5
Analogein- und -ausgang	M2L, M4L: none; M2P, M4P, Pressure sensor for proportional valve
Binärer Schnittstelleneingang	Start 1 to 3, quick-stop, without current
Binärer Schnittstellenausgang	Stepping contact; ready; air valve 1 to 3; locking contact; BSD selection (M2P and MP4P only)
Umgebungstemp.	0-40 °C
Kühlung	Air-cooled
Gesetzliche Genehmigung	CE compliant
Gewicht	Approx. 7.5 kg
Abmessungen (L x H x T)	450 x 135 x 335 mm

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Product applications M2-, M4-Serie – AC-Steuerung


Automotive


Electronics


Attachment

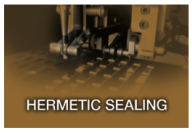
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OUR TECHNOLOGIES









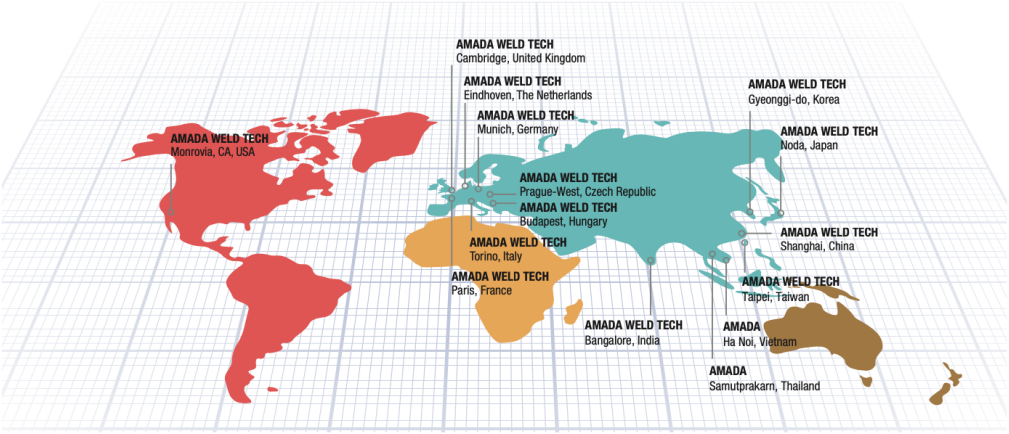








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