

INVERPULSE R 60.40 WAVE BASE



DADOS TÉCNICOS

CÓDIGO	816978	FAIXA DE AJUSTE DE CORRENTE 230V DC	20 - 400 A	DIAM. ARAME SOLDAGEM ALUMINIO	0,8 - 1,6 mm
TENSÃO DE REDE TRIFÁSICA	230 / 400 V	CORRENTE 60% DC 230V	330 A	DIAM. ARAME SOLDAGEM FLUX	1,0 - 2,4 mm
TOLERÂNCIA DE REDE	-25 / +15 %	CORRENTE 100% DC 230V	230 A	DIAM. ARAME PARA BRASAGEM	0,8 - 1,2 mm
FREQUÊNCIA DE REDE	50 / 60 Hz	CORRENTE ABSORVIDA MÁXIMA 230V	51 A	TAMANHO DA BOBINA DE FIO Min-Max	200 - 300 mm
CORRENTE MAX DC EN60974-1	400 @ 60% A	TENSÃO SEM CARGA MÁX. DC 230V	110 V	ROLOS	4
FAIXA DE AJUSTE DE CORRENTE DC	20 - 500 A	FAIXA V OUT MIG 230V	9 - 34 V	TIPO DE ROLOS	R
CORRENTE 60% DC	400 A	T0102401	22,0 A	ROLOS Ø	37 mm
CORRENTE 100% DC	300 A	T0361302	12,2 kW	FAIXA DE VELOCIDADE DO FIO	0,4 - 25 m/min
CORRENTE ABSORVIDA MÁXIMA	41 A	POTÊNCIA MÁXIMA ABSORVIDA 230V	16 kW	COMPRIMENTO DO CABO DE ALIMENTAÇÃO	2,50 m
TENSÃO SEM CARGA MÁX. DC	85 V	FUSÍVEL 230V	32 A	CLASSE DE COMPATIBILIDADE ELETROMAGNÉTICA	A
FAIXA V OUT MIG	9 - 39 V	POTÊNCIA ABSORVIDA idle	41 W	NORMATIVA	EN 60974-1 /-5 /-10
CORRENTE ABSORVIDA A 60%	28,9 A	EFICIÊNCIA	90 %	CLASSE DE INSULAÇÃO	F
POTÊNCIA ABSORVIDA A 60%	16,0 kW	ELECTRODES Ø	1,6 - 8 mm	GRAU DE PROTEÇÃO	IP23
POTÊNCIA ABSORVIDA MAX	23 kW	T04313	TI ROB 500	DIMENSÕES (CxLxA)	67 x 51 x 107 cm
FUSÍVEL	25 A	DIAM. ARAME SOLDAGEM AÇO	0,6 - 2,4 mm	PESO	74 kg
CORRENTE MAX DC EN60974-1 230V	330 @ 60% A	DIAM. ARAME SOLDAGEM INOX	0,8 - 2,4 mm		

PRODUTOS COMPOSTOS

MODELOS LIGAÇÃO AUTOMAÇÃO	804731	TI ROB 500 DOOR CONTACT BYPASS
804389	CONVERTER KIT USB-RS485 "R"	
ALIMENTADOR DE FIO E ACESSÓRIOS	REDUTORES DE PRESSÃO	
806277	TI ROB 500	
	804966	KIT DE CONEXÃO DE GÁS "R"

ACESSÓRIOS A PEDIDO

PINÇAS DE MASSA COM CABO	803280	WIRE FEEDER SUPPORT ROBOT FANUC
804222	GRAMPO DE LIGAÇÃO À TERRA + CABO 70MMQ 3M AX70	
804605	WORK CLAMP + CABLE 95MMQ 15M AX95 "R"	
804606	WORK CLAMP + CABLE 95MMQ 30M AX95 "R"	
COMANDOS À DISTÂNCIA	803281	WIREFEEDER HOLDER - ROBOT KUKA
804942	REMOTE PANEL KIT R 4,3" 10M	
REDUTORES DE PRESSÃO	803555	WIREFEEDER SUPPORT - ROBOT ABB
722346	REGULADOR DE GÁS 2 MANÔMETROS 32 L/MIN	
804966	KIT DE CONEXÃO DE GÁS "R"	
CONSUMÍVEIS/PEÇAS DE REPOSIÇÃO MIG	803557	WIRE FEEDER SUPPORT ROBOT ABB
743201	INTERMEDIATE WIRE GUIDE Ø 0,6 - 1,6	
743203	EXTERNAL WIRE GUIDE Ø 0.6-1.6	
ALIMENTADOR DE FIO E ACESSÓRIOS	803558	WIRE FEEDER SUPPORT ROBOT ABB
804955	12-PIN QUICK I/O CABLES 4 m "R"	
804651	WATER CONNECTOR SUPPORT KIT	
804742	FLOW SENSOR KIT	
803278	WIRE FEEDER SUPPORT ROBOT YASKAWA	
803561	WIREFEEDER HOLDER - ROBOT YASKAWA	
	803279	WIRE FEEDER SUPPORT ROBOT KAWASAKI
	803282	WIRE FEEDER SUPPORT ROBOT KWS FNC KK HND
	803556	WIRE FEEDER SUPPORT ROBOT ABB
	ROLOS	
	743101	FEED ROLL FE Ø 0.6-0.8 GN&BU "R"
	743102	FEED ROLL FE Ø 0.8-1.0 BU&RD "R"
	743105	FEED ROLL AL Ø 0.8-1.0 BU&RD "R"
	743103	FEED ROLL FE Ø 1.0-1.2 RD&OG "R"
	743106	FEED ROLL AL Ø1.0-1.2 ST4 RD&OG "R"
	743104	FEED ROLL FE Ø 1.2-1.6 OG&YE "R"
	743107	FEED ROLL AL Ø 1.2-1.6 OG&YE "R"

CABOS DE LIGAÇÃO MIG

804276	CONNECTING CABLE 70 MMQ 1.5 m "R"
804282	CONNECTING CABLE 70 MMQ 5 m "R"
804727	CONNECTING CABLE 70 MMQ 10 m "R"
804279	CONNECTING CABLE 70 MMQ 15 m "R"
804277	CONNECTING CABLE 70 MMQ 1.5 m AQUA "R"
804283	CONNECTING CABLE 70MMQ 5 m AQUA "R"
804728	CONNECTING CABLE 70 MMQ 10 m AQUA "R"
804278	CONNECTING CABLE 70 MMQ 15 m AQUA "R"
804604	CONNECTING CABLE 70 MMQ 30 m AQUA "R"
804601	MEASURING CABLE 16MMQ 30M AX25 "R"

GRUPOS DE ARREFECIMENTO A ÁGUA

804275	GRA R5500 ROB WATER COOLING UNIT
802976	COOLANT FOR COOLING SYSTEMS

MODELOS LIGAÇÃO AUTOMAÇÃO

804271	MODULE WI-FI/ETHERNET RS 485 24V "R"
982757	ETHERCAT MODULE KIT
982756	MODULE KIT ETHERNET-IP "R"
982755	MODULE KIT CANOPEN "R"
982850	MODULE KIT PROFIBUS "R"
982851	MODULE KIT PROFINET "R"

DESCRIÇÃO

Multi-process MIG-MAG inverter welding machine designed for integration with advanced robotic systems. Perfect for industrial automation, it ensures precise and reliable welding on materials such as steel, stainless steel, aluminium and alloys. Its robust construction and optimised cooling system ensure consistent performance even in demanding working environments.

With compatibility with major communication protocols and a flexible 4-roller wire feeder configuration, it offers a versatile and reliable solution to meet the demands of modern automation.

Main features:

- **Advanced welding:** supports pulsed and double-pulsed modes (PULSE and PoP) with material-specific waveforms, guaranteeing high quality aesthetic and functional results.
- **Pre-installed synergic programmes:** 98 optimised configurations for different materials and wire diameters, reducing setup times and improving efficiency.
- **Dedicated welding arcs:**

ROOT-MIG: for first pass welds on steel.

DEEP-MIG: for faster welding on large workpieces.

ATC: for working on thin thicknesses.

- **High duty cycle:** allows continuous machining and intensive work cycles.
- **Advanced cooling:** dedicated tunnel system that protects sensitive components from conductive dust, increasing machine life.
- **Resistance to voltage variations:** operates reliably even with overvoltages up to +15% and undervoltages up to -25%.
- **4-roller wire feeder:** ensures stable and precise wire feeding, with brackets for mounting on robotic arms.
- **Advanced compatibility:** supports protocols such as EtherCAT, PROFINET, CANOpen and others, for seamless integration with robot systems.

Equipped with work clamp and cable, remote wire feeder with connecting cables.

DESCARREGAR



IMAGEM DO CATÁLOGO



MANUAL DE INSTRUÇÕES



BROCHURE