LSQ5 Compact HMI – Technical Data Sheet

Description

The LSQ5 Compact IoT is an inverter welding power source designed for MSG robotic welding in single- and dual-wire systems.
With its integrated Direct Control Technology, the LSQ5 Compact IoT works differently from conventional inverters—without a fixed cycle frequency—and delivers power instantly, just when the process needs it.
Status, alarms, and settings can be managed with two buttons and four LEDs.
For global use, the mains voltage and mode can be adjusted without opening the housing.
The LSQ5 Compact IoT contains an HMI based welding process controller and a fieldbus interface.



Technical Specifications

1. General Information

Manufacturer:	Leipold + Co. GmbH
Part Number:	77.1185.74
Standards / Certifications:	EN IEC 60974 / VDE 0544

2. Electrical Specifications

Mains voltage:	3x 400 V / 3x 480 V
Mains frequency:	50/60 Hz
Power connection:	4x4 mm²
Max. power consumption:	25.8 kVA
Fuse rating:	35 A
Power factor (cos ϕ):	>0.95
Efficiency:	0.91

3. Welding Parameters

Welding processes:	MIG/MAG, I-Pulse, U-Pulse, KF-Pulse, microMIG, MMT-X, Cold Wire
Welding current range:	15 A – 480 A
Open-circuit voltage:	<70 V
Welding voltage:	14.8 V – 38 V
Welding current at Duty Cycle (DC):	
100%	325 A
60%	420 A
40%	480 A

4. Mechanical Specifications

Dimensions (L×W×H):	416 x 470 x 560 mm
Weight:	52 kg
Protection class:	IP23
Insulation class:	H
EMC Class:	A
Cooling:	Air
Housing material:	Aluminum sheet





