PRÜFTECHNIK

Product Information Sheet

UG36 DC Tester

Examples of usage

- Potential free testing with test pistols
- Testing with fixed connections and two-hand control
- Testing with a safety enclosure (protection against unavoidable contact)
- As a semi- or automatic system component within a production line

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Technical specifications

UG36: High voltage test DC to 6,000 V		
Voltage Test	Voltage range:	0 - 6,000 V DC
	Adjustment range:	0 - 6,000 V DC
	Resolution:	10 V
	Accuracy:	1 %
	Output:	DC
	Output stability:	Output voltage regulated to +/- 10V PI-regulator
	True value display:	LED-display 13 mm, red
	Target value display:	LED-display 10 mm, red
Test current	Output current:	0,1 - 10 mA Current limited
	Measurement range:	0 - 12 mA
	Adjustment range:	0,1 - 10 mA
	Resolution:	0,1 mA
	Accuracy:	1 %
	Short circuit current:	> 200 mA / > approx. 1,100 V
	True value display:	LED-display 13 mm, red
	Target value display:	LED-display 10 mm, red
Test time	Adjustment range:	0 - 99 s / 0 - 99 min, infinite
	Resolution:	0,1 s - 1 s / 0,1 min - 1 min
	True value display:	LED-display 13 mm, red
	Target value display:	LED-display 10 mm, red
Special features	Ramp up function:	The voltage is gradually driven up to the required test voltage, the test time then starts, free programmable.
	Contact monitoring:	Monitoring of the contact to the test object via contact device (4-pole).
	Conductor breakage monitoring:	Monitoring of the test cables for conductor breakage.
	Burn out function:	Burning out of the faulty positions.
	Minimal current monitoring:	Monitoring of a pre-set minimal current during the test, in conjunction with ETL DataView.
	Automatic start: Start and stop signal using the test pistol:	The ETL test pistol HTP06C recognises (patent) the correct contact to the test product via a special HW-extension.
	Zero voltage switch:	The UH36 can only be switched on or off in the zero voltage run of the test voltage.

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Specifications of the UG36:		
General	Mains connection:	230V, 50 Hz / 60 Hz
	Power input:	Max. 8 A
	Display:	LED-display 13 mm x 10 mm target and true values are permanently displayed.
	Setting of the test parameters:	Manually or fully-automatic via the port
	Programming:	Set of 9 parameters that are freely programmable
	Warning signals:	Acoustic, optical and via the port
	Dimensions (W x H x D):	307 x 164 x 273 mm
	Weight:	Approx. 16 kg
	Casing:	Plastic, RAL 7035
	Temperature:	5 - 45 °C
	Accessories:	Instruction manual, power cable, safety circuit plug
	Calibration:	Includes manufacturers certificate of calibration
Ports	Control / digital IO:	Start, Stop, Pass / Fail and Test in Progress
	Remote control port RS232:	To connect to a PC and for direct connection to a terminal programme or a protocol printer
	CAN:	To extend the testing system for additional features and for further extensions
Connections	High voltage exits:	Contact to the test object is via 2 potential free high voltage connectors , that are both 2-pole with plug and socket HVP06C (A ∅ 6 mm and I ∅ 2 mm)
	Safety circuit:	To implement the appropriate safety circuit as detailed by EN 50191
	Warning light connection:	To connect a warning light combination as detailed by EN 50191
Starting the test	Start and stop signal via the test pistol:	Through special start automatic and 4-pole technique
	Start and stop signal via port:	Test can be started via PLC or PC-interface
	Start button on equipment:	Test can be started by pressing the button on the front of the equipment
	Start button via external switch:	Test can be started via a digital IO e.g., via a foot button
Set up	Keyboard lock:	Individually configured
	Output option:	Individual configuration of the result output
	Buzzer option:	Individual configuration of the acoustic signals
	LED-display:	Adjustable brightness of display elements
	Start options:	Individual setting of the start mode
	Special features:	Setting of the start automatic, the conductor breakage and contact monitoring
	Language and mode choice for external printer:	English, German, Swedish, Italian, Spanish, Dutch Mode: Print when OK, not OK or always
	Ramp options:	Ramp time and type of ramp drop
	Test duration:	Test duration calibration