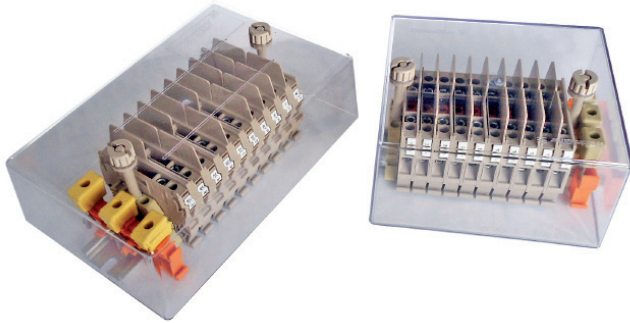


Data Sheet

Terminal blocks for testing indirect measuring equipment



Terminal blocks for testing indirect measurement equipment

Testing and replacement of Indirect Measuring Equipment components.

Applicable to Link-up Subscriber Installations, Facilities, Boundary Points between transmission and distribution companies, acc. to S.P.M., Energy control in electrical systems.

- Disconnect slider with a single clamping screw
- Possibility of short-circuit by phase, only on the current transformer side
- IP21 protection even without the sealable cover
- Design acc. to standards of each electric company
- Cross-connections inside the housing
- Marking adapted to each electric company

Spain

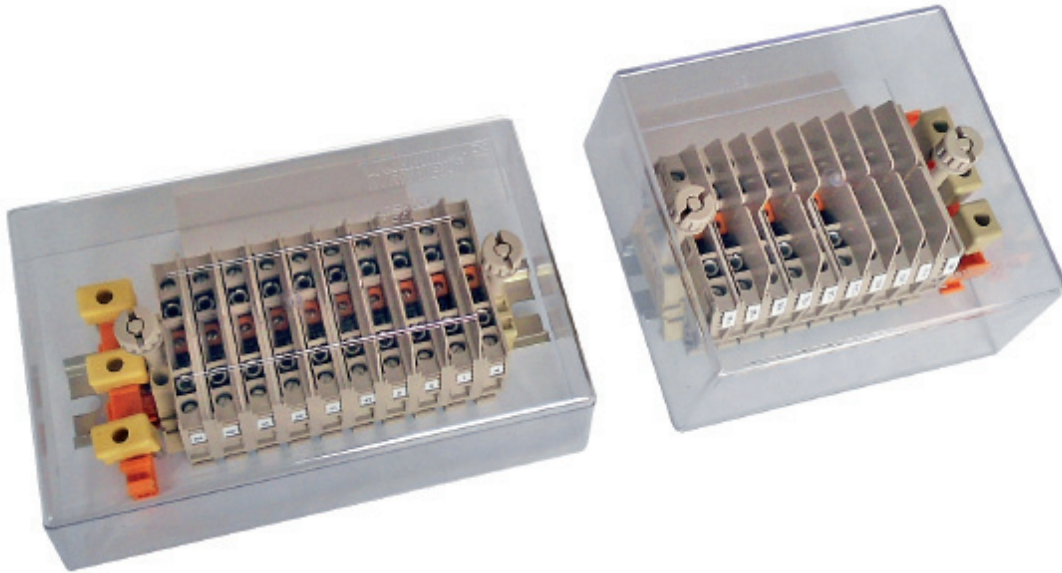
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08960 Sant Just Desvern,
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T +34 934 803 686
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E weidmuller@weidmuller.es
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Specifications

Terminal blocks for testing indirect measuring equipment



Use

Electric companies require the installation of certain devices to verify and change measuring equipment, in all supplies that have indirect measuring equipment installed.

Function

The verification devices are comprised of a terminal block that allows the verification and replacement of the electricity meter in operation, without having to disconnect the installation and in the case of current transformers, without interrupting the continuity in the secondary circuit, thereby guaranteeing safety for the verification staff.

Operations to be carried out

- Opening and Closing of any circuit (current and voltage).
- Serial measurement (ammeter circuits).
- Parallel measurements (voltmeter circuits).
- Verification of the measuring equipment.
- Temporary or permanent connection of control-recording and/or test equipment or device.
- Changing of measuring equipment, extension of the installation equipment and/or changes in the installations and wiring without the need to cut off the power supply.
- Auxiliary supply to the measuring equipment.

Design

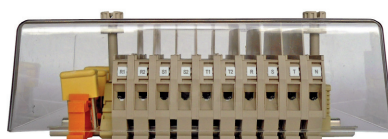
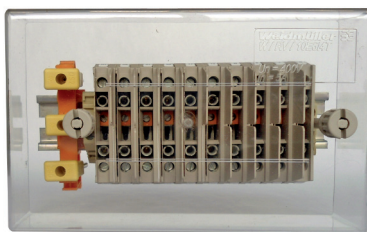
- Compact unit of ten disconnect WTL/6/1/STB terminals with partition plates inserted at different heights that make it impossible to make erroneous connections.
- The disconnect mechanism provides a clearly visible cut-off that can be operated by one clamping screw. The circuit remains open when it is shifted to the bottom, in the operating position.
- To dismantle the block in its operating position, it must be unsealed.
- The distance between the element axes is 12 mm.
- The points fastening the rail to the panel are included in the protective housing, and must be unsealed for disassembling.
- Each terminal block has its elements marked differently, depending on the requirements of the standards laid down by each electric company.
- The housing covers are removable, made of clear material and sealable.
- The current circuit cross-connections are housed on a support located inside the housing, and protected by the sealing.

Terminal blocks for testing indirect measurement equipment

Applicable to Link-up Subscriber Installations, Facilities, Boundary Points between transmission and distribution companies, acc. to S.P.M., Energy control in electrical systems.

Standard test terminal block

in indirect measurement equipment



Technical data

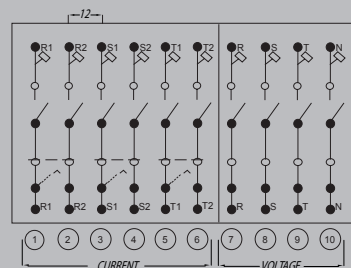
General Data	
Usage voltage	400 Vca
Current rating	5 A
Dielectric strength between live components	6kV at 50 Hz
Dielectric strength between live components and case ground	10kV at 50 Hz
Insulation	> 12x103 MW
Input/Output voltage drop	< 1.66 mV
Maximum current	660 A (1s)
Conductor cross-section flexible type F (H07V-K), IEC 60947-7-1	2.5 / 10 mm ²
Conductor cross-section with DIN terminal 46228/1	2.5 / 6 mm ²
Dimensions	
Length (between fastening axes)	170 mm
Width (of the sealing cover)	121 mm
Length (of the sealing cover)	191 mm
Depth (including the sealing cover seal)	75 mm
Terminal Width / Length / height with TS35x7.5	7.9 / 65 / 48.5 mm
Nominal data of the terminal	
Rated Voltage	630 V
Current rating	41 A
Rated cross section	6 mm ²
Rated surge voltage	6 kV
Pollution degree	3 kV
Gauge IEC 60-947-1	A5
Flammability type UL 94	V-0
Approvals	
Clamping conductors (H05V/H07V)	
solid / stranded	0.5...10 / 1.5...10 mm ²
flexible / flexible with tubular terminals	0.5...10 / 0.5...6 mm ²
Manual torque (torque screw)	0.8...1.6 Nm (M 3.5)
Manual torque of the disconnecter	0.5...0.8 Nm
Stripping size	12 mm
Size of the screwdriver blade	4.0 x 0.8 mm

Ordering data

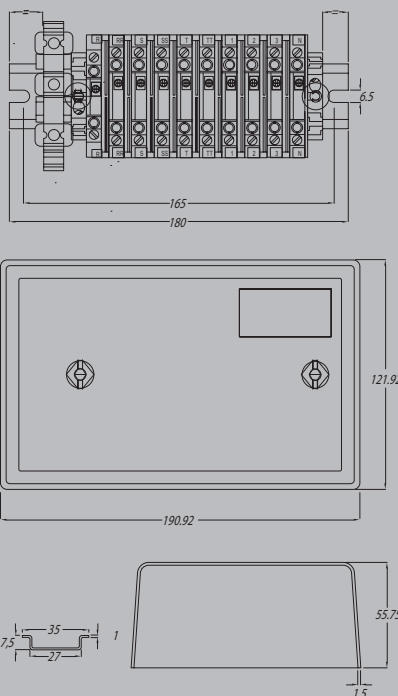
	Company
Universal terminal strip	IB, END, HC, EON, REE
UFD terminal strip	UFD
Catalana	Fecsa-Endesa
Catalana (with cover)	Fecsa-Endesa
Catalana (with jumper)	Fecsa-Endesa
Catalana (complete)	Fecsa-Endesa
Universal terminal strip (35)	IB, END, HC, EON
Natural Gas terminal strip (35)	Gas Natural, UFD
Terminal strip with 13 elements (HV)	END

Type	P.U.	Order No.
W / RV / 10E 6I 4T	1	7501003933
W / UF / RV / 10E 6I 4T	1	7501000754
W / FEC / RV / 10E 6I 4T	1	7501000789
W / FEC / RV / 10E 6I 4T	1	7501002597
W / FEC / RV / 10E 6I 4T	1	7501007836
W / FEC / RV / 10E 6I 4T	1	7501008291
W / VS / RV / 10E 6I 4T	1	7501002305
W / UF / MI / 10E 6I 4T	1	7501002173
W / END / AT / 13E 6I 4T 4I	1	7501008013

Electrical diagram



Construction elevations



Cross connection

Type	P.U.	Order No.
QS 2 (12 mm)	20	0270760000



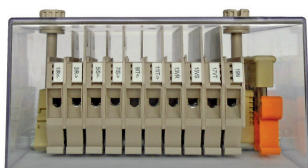
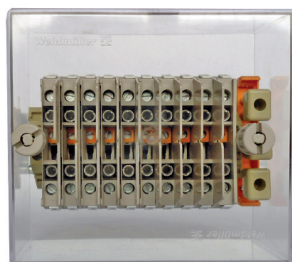
Terminal blocks for testing indirect measuring equipment

Terminal blocks for testing indirect measurement equipment

Applicable to Link-up Subscriber Installations, Facilities, Boundary Points between transmission and distribution companies, acc. to S.P.M., Energy control in electrical systems.

Compact test terminal block

in indirect measurement equipment



Technical data

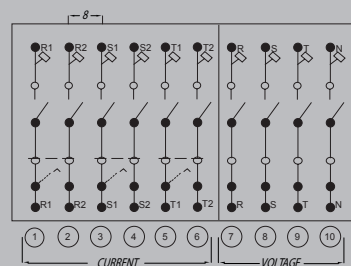
General Data	
Usage voltage	400 Vca
Current rating	5 A
Dielectric strength between live components	6kV at 50 Hz
Dielectric strength between live components and case ground	10kV at 50 Hz
Insulation	> 12x103 MW
Input/Output voltage drop	< 1.66 mV
Maximum current	660 A (1s)
Conductor cross-section flexible type F (H07V-K), IEC 60947-7-1	2.5 / 10 mm ²
Conductor cross-section with DIN terminal 46228/1	2.5 / 6 mm ²
Dimensions	
Length (between fastening axes)	100 mm
Width (of the sealing cover)	121 mm
Length (of the sealing cover)	130 mm
Depth (including the sealing cover seal)	75 mm
Terminal Width / Length / height with TS35x7.5	7.9 / 65 / 48.5 mm
Nominal data of the terminal	
Rated Voltage	630 V
Current rating	41 A
Rated cross section	6 mm ²
Rated surge voltage	6 kV
Pollution degree	3 kV
Gauge IEC 60-947-1	A5
Flammability type UL 94	V-0
Approvals	
Clamping conductors (H05V/H07V)	
solid / stranded	0.5...10 / 1.5...10 mm ²
flexible / flexible with tubular terminals	0.5...10 / 0.5...6 mm ²
Manual torque (torque screw)	0.8...1.6 Nm (M 3.5)
Manual torque of the disconnecter	0.5...0.8 Nm
Stripping size	12 mm
Size of the screwdriver blade	4.0 x 0.8 mm

Ordering data

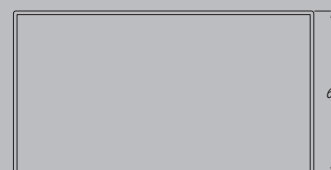
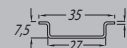
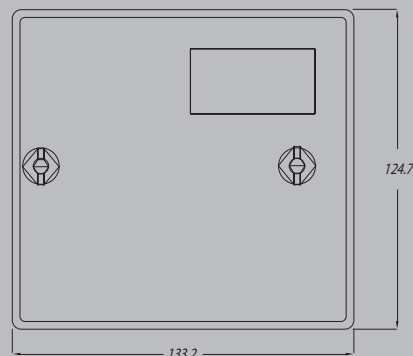
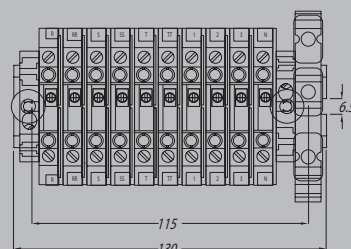
	Company
Universal compact terminal strip	REE
GN compact terminal strip	UFD
Universal compact terminal strip (pre-cut)	REE
GN compact terminal strip (pre-cut)	UFD

Type	P.U.	Order No.
W / RVRU / 10E 6I 4T	1	7501008506
W / RVRG / 10E 6I 4T	1	7501008531
W / RVRU / 10E 6I 4T P	1	7501008827
W / RVRG / 10E 6I 4T P	1	7501008851

Electrical diagram



Construction elevations



Cross connection

Type	P.U.	Order No.
QS 2 (8 mm)	20	0270960000

