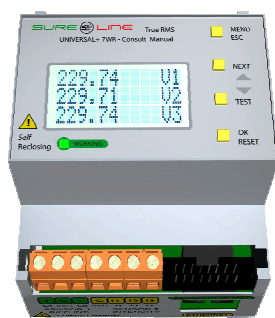


UNIVERSAL+ 7WR (DOV2 / RDI2 / OVD2) differential protection unit, MCB, overvoltage and low voltage with automatic reclosures, differential intensity protection type A. RMS, Peak, AC and DC measurements. Protections programmable in value and delay. RMS, Peak, AC, DC voltage and Hz frequency measurements



Ultra-immunised
differential protection

MCB from 10 to 125A, 2 and 4-pole with automatic reclosure (Icu 50kA).

Other Model DOV1 / RDI1 / OVD2: MCB from 6 to 63A, 2 and 4-pole, with automatic reclosure (Icu 10-15kA).

The 230V units withstand overvoltages of 425V permanent and 1000V Pk
Differential protection type A with automatic reclosure ($I_{\Delta n}$ 30-1000mA; Δt from 40ms to 1000ms) Programmable in value and delay (RMS and Peak alarms).
RMS, Peak, AC and DC differential intensity measurements
MCB protection with automatic reclosure
RMS and Peak overvoltage protection with automatic intelligent reclosure Programmable in value and delay
RMS low voltage protection with automatic intelligent reclosure Programmable in value and delay
RMS, Peak, AC, DC voltage measurements and Hz frequency
Programming 0-30 reclosures and interval between reclosures for differential intensity with configurable reset
Programming 0-10 reclosures and interval between reclosures for MCB with configurable reset
Two output relays A and B (relay A blocking and relay B voltage watchdog)
Programmable auxiliary voltage watchdog relay
External input (unblocking and reset) programmable signal - action
Independent cut-off counters for all protections
Maximum and minimum measurements log
Manual cut-off with security code
Incremental differential intensity test, manually and automatically (automatically prior to reclosure)
Built to permit reconnection of the new digital counters
Very high-speed MCB cut-off (consult manual)
Backlit, 12x3-character screen. Intuitive menus. Long texts: easy to read scroll-down
Programmable mean RMS display - 100, 200, 300, 400 and 500ms
Programmable switch-on delay in the event of power supply failure and over and low voltage (delay from 0 to 999 s)
Programming protected by security code
Preventive cut-off upon AC supply failure – insufficient power supply
Ex-factory default configuration. Language: configurable in Spanish or English.
Standards: EN 60947-2 (annexe B):2018, UNE 20-600-77, EN 50550:2011 (consult manual)
Programmable acoustic warnings (enabled or disabled). 3-year guarantee for DOV2 and OVD2

UNIVERSAL+ 7WR	DOV2	RDI2	OVD2	
Single-phase 2-pole (M) only L1 / Three-phase 4-pole (T) L1, L2, L3				
Differential protection type A. RMS, Peak, AC and DC measurements				
RMS, Peak, AC and DC measurements	•	•		
Differential type A. Alternating (AC) sinusoidal and alternating rectified sinusoidal	•	•		
Built to permit reconnection with the new digital counters	•	•	•	
DOV2 and OVD2 : 3-year guarantee				
RDI2 : 1-year guarantee				
Measurement				
Differential intensity, True RMS	•	•		
Differential intensity, Pk	•	•		
Differential intensity, DC (IDdc)	•	•		
Differential intensity, AC (IDac)	•	•		
Voltage, True RMS L1, L2, L3	•	•	•	
Voltage, Pk L1, L2, L3	•	•	•	
Voltage, DC (Vdc) L1, L2, L3	•	•	•	
Voltage, AC (Vac) L1, L2, L3	•	•	•	
Voltage, True RMS between phases L1-2, L2-3, L3-1 (only in 3-phase versions)	•	•	•	
Line frequency L1, L2, L3	•	•	•	
Protections / Alarms, programmable in value and delay, with automatic reclosure / intelligent reclosure				
Differential intensity RMS (IDn RMS)	•	•		
Differential intensity Pk (ID Pk)	•	•		
Overvoltage RMS L1, L2, L3	•		•	
Overvoltage, set >300V RMS L1, L2, L3 (Gradual action curve Voltage / Time - Norm EN 50550)	•		•	
Overvoltage, set >350V RMS L1, L2, L3 (Gradual action curve Voltage / Time - Norm EN 50550)	•		•	
Overvoltage, Pk L1, L2, L3	•		•	
Low voltage, RMS L1, L2, L3	•	•	•	
Remote input 1 (digital input)	•	•	•	
Remote input 2 (digital input)	•	•	•	
Preventive cut-off upon AC supply failure – insufficient power supply (not programmable)	•	•	•	
Phase loss L1, L2, L3 (not programmable)	•	•	•	
Individual MCB cut-off counters				
Counter: upon differential intensity	•	•		
Counters: upon overvoltage V1, V2, V3.	•		•	
Counters: upon low voltage V1, V2, V3.	•	•	•	
Counter: upon MCB .	•	•	•	
Counter: upon remote input 1 and counter: upon remote input 2 (digital inputs)	•	•	•	
Counter: upon blocking	•	•		
Counter: upon Power OFF (loss of AC supply)	•	•	•	
Counter: upon differential intensity	•	•	•	
Incremental differential intensity test (to be carried out routinely)				
Manual incremental differential intensity test (differential tester)	•	•		
Autotest incremental differential test (prior to reclosure	•	•		
MCB tripping test	•	•	•	
Maximum and minimum measurements logs				
Maximum differential intensity measurement	•	•		
Maximum voltage measurement L1, L2 y L3. Minimum voltage measurement L1, L2 y L3	•	•	•	
Maximum frequency measurement V1, V2 y V3. Minimum frequency measurement V1, V2 y V3	•	•	•	
Activación / desactivación del relé A				
Enablement upon differential blocking	•	•		
Enablement upon MCB blocking	•	•	•	
Disablement upon absence of differential blocking	•	•		
Disablement upon absence of MCB	•	•	•	
Enablement/disablement relay B				
Disablement upon low voltage < 185V (incorrect voltage or voltage loss).	•	•	•	
Enablement upon correct voltage > 185V.	•	•	•	
Outstanding characteristics				
Programmable auxiliary voltage watchdog relay	•	•	•	
True RMS, Peak (Pk), AC and DC measurements	•	•	•	
Mean RMS programmable display, 100, 200, 300, 400 and 500ms	•	•	•	
Very high-speed MCB cut-off (2P=2ms, 4P=5ms)	•	•	•	
Intelligent reclosures and sequential reclosures	•	•	•	
Sequential, automatic or manual reclosures	•	•	•	
Backlit,12x3-character screen. Intuitive menus. Long texts: easy to read scroll-down	•	•	•	
Chronological log of last cut-off and chronological log of last alarm. With values.	•	•	•	
Two output relays A and B (relay A blocking and relay B voltage watchdog)	•	•	•	
External input (unblocking and reset) programmable, signal-action	•	•	•	
Programmable switch-on delay in the event of power supply failure (delay from 0 to 999 s)	•	•	•	
Manual connection and disconnection (with or without code)	•	•	•	
4-digit protection PIN	•	•	•	
Programmable acoustic warnings (enabled or disabled)	•	•	•	
Language: configurable in Spanish or English.	•	•	•	
Ex-factory default configuration . 3-year guarantee	•	•	•	
Precision of measurement version 0,5% and 1% (V).	•	•	•	

Wiring diagram

UNIDAD UNIVERSAL+ 7WR DOV2
UNIDAD UNIVERSAL+ 7WR RD12

MODELO UNIVERSAL+ 7WR - DOV2 - T

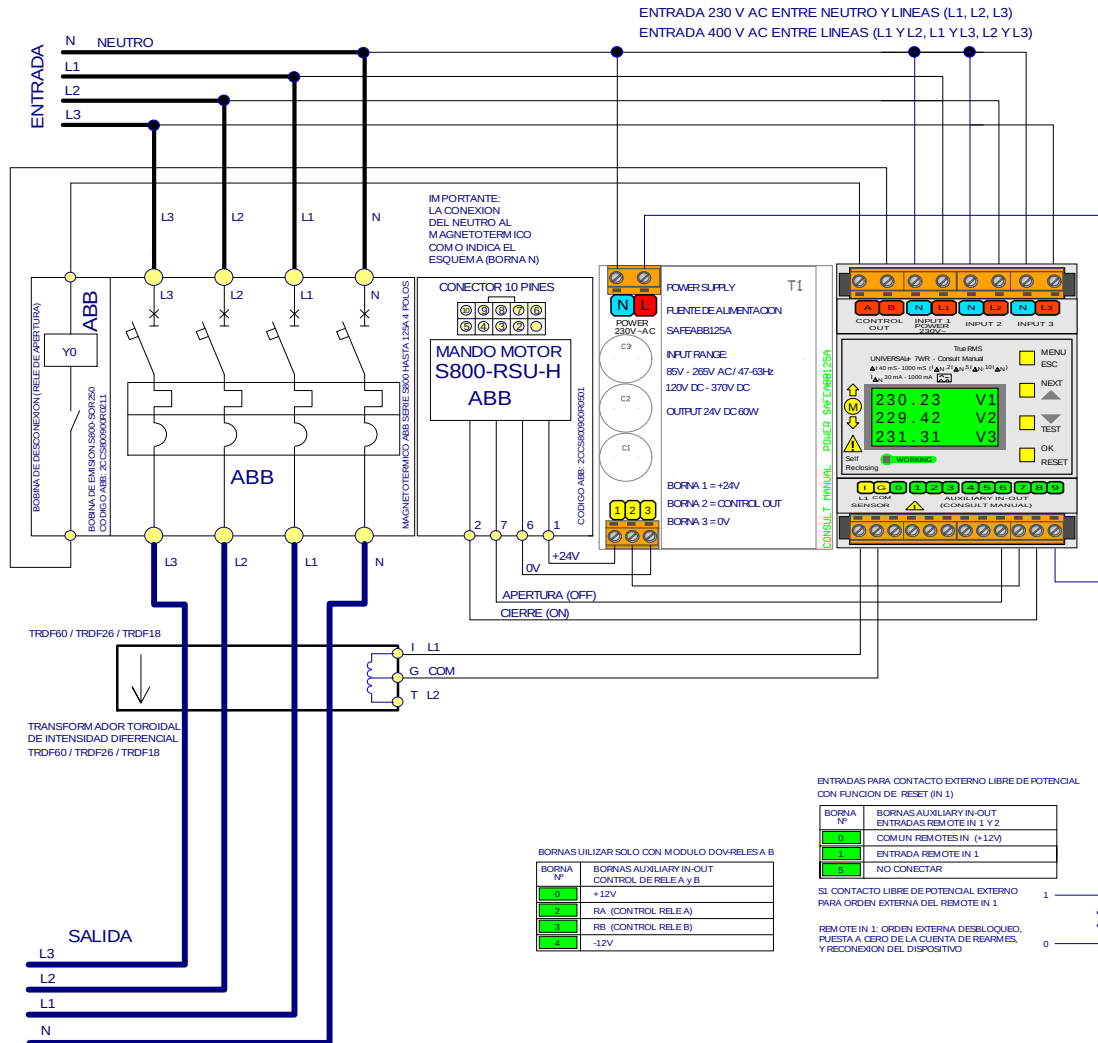
MODELO UNIVERSAL+ 7WR - RD12 - T

CONFIGURACION TRIFASICA 4 POLOS 10, 13, 16, 20, 25, 32, 40, 50, 63, 80, 100, 125A

PARA MAGNETOTERMICO ABB SERIE S800 HASTA 125A 4 POLOS

CON MANDO A MOTOR S800-RSU-H. CODIGO ABB: 2CCS800900R0501 Y BOBINA DE EMISION S800-SOR250. CODIGO ABB: 2CCS800900R0211

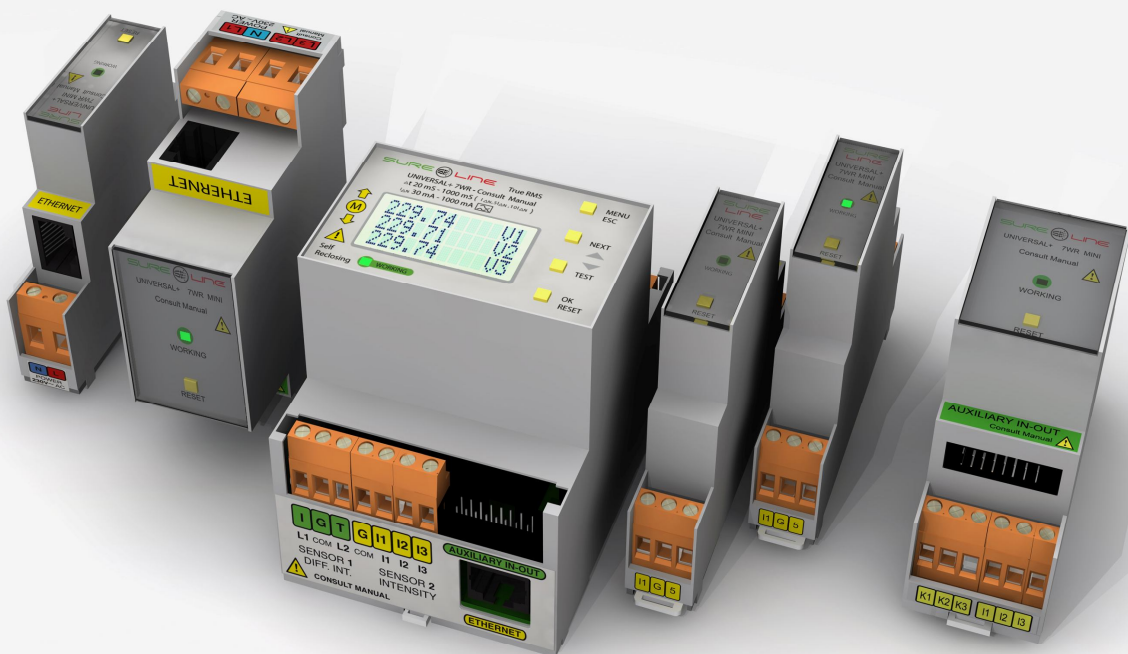
CONSULTAR CARACTERISTICAS E INSTRUCCIONES DEL FABRICANTE ABB ESPECIFICA AL PRODUCTO
MANDO MOTOR S800-RSU-H, MAGNETOTERMICO SERIE S800 Y BOBINA DE EMISION S800-SOR250



TRDF18 / TRDF26 / TRDF60:
TRANSFORMADOR TOROIDAL DE INTENSIDAD DIFERENCIAL
PASAR LOS CONDUCTORES FASE (L) Y NEUTRO (N)
POR EL ORIFICIO DEL TRANSFORMADOR TOROIDAL
INDIVIDUALMENTE EMPAREJADO Y AJUSTADO PARA SU MODULO
NO INTERCAMBIAR Y POSICIONARLO SEGUN SENTIDO FLECHA



CONSULTAR MANUAL DE INSTRUCCIONES



SAFELINE, S.L.
Edificio Safeline
Cooperativa, 24
E 08302 MATARO
(Barcelona) ESPAÑA
www.safeline.es
safeline@safeline.es

Commercial
T. +34 938841820
T. +34 937630801
comercial@safeline.es

Factory, R + D
T. +34 937630801
T. +34 607409841
inves@safeline.es

Administration
T. +34 937630801
T. +34 607409841
admin@safeline.es

Made in EU

