



2SY212 Synchronism Check Relay

2SY212

The **2SY212** synchronism check relay is designed to measure the phase angle between the monitored single phase voltages on the line & bus sides of a circuit breaker & verify that this angle is less than setting. If the measured angle has met this criteria for the time period defined by setting & the voltage magnitudes meet the criteria established by the Live Line/Bus & U/V Line/Bus settings, the output relay will be energised & the breaker permitted to close. Resetting will occur if either the phase angle or voltage magnitude stray outside the pre-set limits or if the sync check enable input is de-energised. Front panel LED's provide visual indication of relay status & sync check function. Bus or Line U/V, Differential Voltage and Frequency Slip Close block functionality together with flexible synchronism check bypass logic caters for a diverse range of applications.



View this product at: www.rmspl.com.au/2sy212-s.htm

RMS | Mors Smitt | Reyrolle | Idec

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System features

- > System status LED indicators
- > Simple menu setting procedure
- > Large LED back lit display panel
- > Wide auxiliary supply range with fail alarm contact
- > Self diagnosis & fail alarm
- > Size 4M56-S draw out case
- > Made in Australia

Control

- > Synchronism Check (25)
- > Adjustable phase angle and time delay
- > Flexible Live and Dead Voltage configuration
- > Bus or Line U/V Close Block

- > Voltage Differential Close Block
- > Frequency Slip Close Block
- > Flexible Synchronism Check Bypass Logic
- > Manual Safe to Close Feature

Metering

- > Line & Bus voltage display
- > Relative phase angle display
- > Line & Bus frequency display
- > Frequency slip display

Communication

- > Non platform specific PC programming software: μ MATRIXwin
- > USB front programming port
- > MODBUS RTU compatible network protocol

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