



Field disconnecter 1 NO contact, 10A, self-learning - Mains disconnection relay FR61-230V



Eltako
FR61-230V
61100530
4010312203477 EAN/GTIN

39,94 GBP excl. VAT**
plus shipping



3-5 days* (GBR)

Field isolator switch 1S, 10A, self-learning FR61-230V, rated voltage 250V, rated current 10A, rated frequency 50 ... 50Hz, max. incandescent lamp load 1000W, max. fluorescent lamp load 1000VA, max. 500VA, Max. switching current (cos phi = 0.6) 10A, switch-on threshold current 20 ... 20mA, monitoring voltage DC, mounting type other, width in pitch units 0, installation depth 26mm, protection class (IP) IP20, self-learning field isolator 230V. 1 make contact not potential-free 10A/250V AC. Stand-by loss only 0.8 watts. For recessed installation. Built-in device 45mm long, 45mm wide, 26mm deep. Supply and switching voltage 230V. State-of-the-art hybrid technology combines the advantages of wear-free electronic control with the high switching capacity of special relays. The FR61-230V field isolation switch interrupts the power supply after downstream consumers are switched off and thus prevents disruptive electromagnetic fields. Small consumers are permitted with a current consumption of up to 20mA, which do not prevent the field from being switched off after larger consumers have been switched off. The limit does not have to be set manually, but is learned by the FR61. Consumers with a current consumption of more than 200mA are always defined as consumers that should cause the mains voltage to be switched on. As long as no larger consumer is switched on, the monitored circuit remains switched off at 1 pole from the mains. Neutral and protective conductors are not switched to prevent an antenna effect. A direct voltage of 230V DC with low residual ripple is available for monitoring. Therefore, bridging the make contact is not permitted and will destroy the device. When a consumer is switched on, the field isolation switch switches on the monitored external conductor. When the phase conductors are switched on for the first time and after a power failure, the FR61 automatically relearns: First, a starting current of 30mA is specified. If a small consumer is switched on for longer than 24 hours, the total current consumption of the monitored circuit is less than 200mA and the light has been switched on and off in between, this small consumer is taught in and the conductor is switched off. By briefly switching off the relevant circuit breaker, this learning phase can be initiated immediately after connecting a new small consumer.

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