

Description

The type 8517 control unit replaces the existing control units of type 8512. The type 8517 can be used for drives drawing a current of $I_{max} = 5$ A. The function of the unit is unchanged from the predecessor type, the 8512. Fewer terminals are available due to the more compact housing dimensions and the improved connection options. This means for the user that there are no options for jumpers for the earth conductor (PE) and the neutral conductor (N) in the unit and these must, if required, be set up in a way whereby their switching is independent of the control unit. There is likewise only one contact available to report the switching state, and its functions (make- or break-type contact) can be selected by the switches on the side.

The type 8517 control unit is also used for power supply, remote control, function monitoring and switch position reporting by mast isolation drive motors working on the 4-wire principle (on wire, off wire, return wire and power supply wire) or the 3-wire principle (on wire, off wire and return wire), supply voltage AC 230 V.

Versions for DC 24, 60, 110 V are available for actuation by means of remote control units.

The control unit is connected directly to the power supply of the drive, switch, etc. (Select the built-in fuse accordingly.) The connecting cables to the drive are located at the control unit connected (terminals 1-4).

The drive can be switched on and off with the »ON« and »OFF« buttons. Correct functioning, the

reaching of the limit position, is indicated by the LEDs. The desired colour of LED can be specified when ordering. (Supplied by default): Red = ON; Green = OFF)

The respective zero-potential contacts are available for further reporting. (Terminals 11/12 for »ON«, terminals 9/10 for »OFF«). An »ON« control pulse (+ or -) can be set up at terminal 8 and an »OFF« control pulse at terminal 7 (+ or -) for use in remote control.

The reference potential (M) is to be set up jointly for both inputs at terminal 6. Two built-in relays implement the control pulse (> 100 ms) in galvanically separated form into the respective »ON« or »OFF« switching command.

The clearance between the control unit and the drive, switches, etc., is determined by the voltage drop that is permissible for the part to be actuated and not by the control unit. An »ON« control pulse (+ or -) can be set up at terminal 17 and an »OFF« control pulse at terminal 18 (+ or -) for use in remote control when used as an interface (option).. The reference potential (M) is to be set up jointly for both inputs at terminal 9. Two built-in relays implement the control pulse (> 100 ms) in galvanically separated form into the respective »ON« or »OFF« switching command.

The clearance between the initiator unit and the drive, switch, etc., is determined by the voltage drop that is permissible for the part to be initiated and not by the initiator unit.



Technical data

Dimensions	WxHxD 55/78/112 mm
Housing	ABS/V-0 grey
Attachment	Two holes in accordance with DIN 43604 or a standard carrying rail in accordance with DIN EN 50022
Type of protection	Housing: IP 10; terminals: IP 20
Ambienttemperature	-20°C to +70°C
Fuse	as required (standard 2A, max. 5A)
Control buttons	2 (for On and Off)
Motor contact loading	max. AC 250 V; 5.0 A
Message	2 LEDs, red, yellow, green according to the order details
Colours	»ON« = red, »OFF = green, per 1
Standard	zero-potential contacts can be switch as make or break type for »ON« and »OFF« respectively
Reporting contacts	U ≤ AC 250 V; I ≤ 2 A; P ≤ 500 VA
Remote operation connection	
Current drawn	approx. 250 mW
Remote operation voltage	DC 24 V (19 - 34 V) DC 60 V (38 - 86 V) DC 110 V (88 - 120 V)
Test voltage	Field side against reporting contacts and field side against actuation side 4 kV _{eff} (1 minute)

Ordering information

Type	Part No.
8517, 24 V DC remote action	310110
8517, 60 V DC remote action	310111
8517, 110 V DC remote action	310112

Special configurations on request.

