

Distribution devices

Universal auxiliary switch - item no: MCBGRAUX

A device which can either be set up as an auxiliary switch or a signal switch; depending on the setting selected, this device may be used for remote indication of the current switching status of a switching device in the type series MCB, RCB, or RCD.

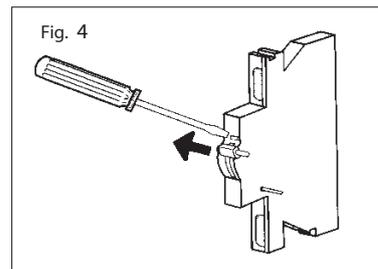
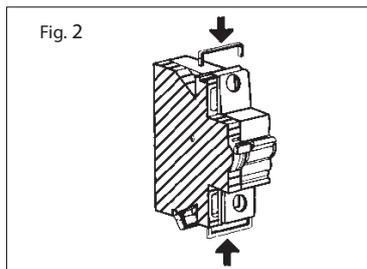
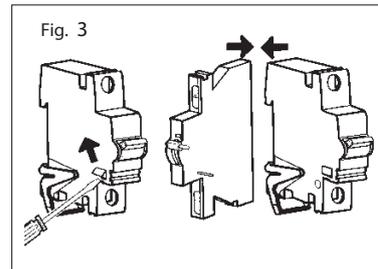
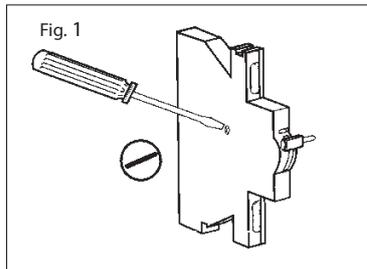
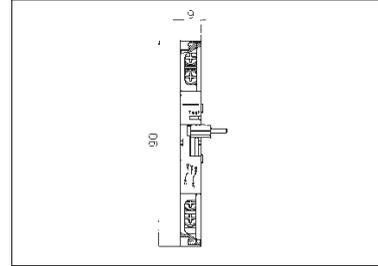
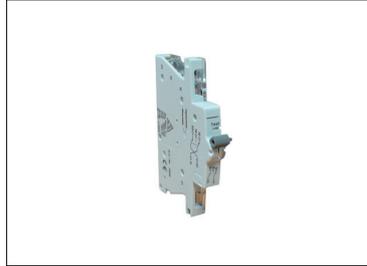
Auxiliary switch = contact position indication
Signal switch = indication device tripped on fault occurrence

This switch may be used as a potential-free break/make or break/change-over contact. Even in an assembly, all terminals are easily accessible from above.

Installation and operation:

This switch is mounted together with the switching device on the support rail. If required, therefore, both may be removed together from the assembly and replaced. Before fitting, the universal auxiliary switch will be set to the desired function auxiliary switch or signal switch by turning the adjuster screw, marked by an appropriate label (Fig. 1).

On the relevant switching device, an aperture for the tripping pin is provided; this aperture is broken out (Fig. 2). Connection to the switching device is effected by two retaining clamps, operation is effected via the tripping pin or the connecting piece to the toggle switch (Fig. 3). For test purposes, the universal auxiliary switch (in assembled condition) may be operated without actuation of the switching device. To this end, the connecting pin to the protective switching device toggle is withdrawn; then, using a small screwdriver, activate the function TEST of the auxiliary switch (Fig. 4).



Universal auxiliary switch

Technical data

Rated voltage:	230 V AC/110 V DC
rated current:	6 A AC/1 A DC
min. rated voltage:	12 V AC, 12 V DC
min. rated current:	100 mA

Connection cross-section:
Tightening torque:
IEC 60947-5-1

Up to 1,5 mm²
0,8 Nm

circuit diagram

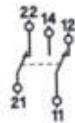


Table of operation status - Auxiliary switch (Hilfsschalter)

contact	Type of operation - auxiliary switch		
	Circuit breaker open	Circuit breaker closed	Circuit breaker tripped
11 to 12	x	•	x
11 to 14	•	x	•
21 to 22	x	•	x

Table of operation status - Signal switch (Signalschalter)

contact	Type of operation - signal switch		
	Circuit breaker open	Circuit breaker closed	Circuit breaker tripped
11 to 12	•	•	x
11 to 14	x	x	•
21 to 22	•	•	x