

Protection

Circuit protection

Earth leakage protection

Electrical auxiliaries for iC60, iID, iDPN Vigi, RCA and ARA

■ The electrical auxiliaries are combined with iC60 circuit breakers, iID residual current circuit breakers, remote tripping switch disconnectors iSW-NA, RCA remote controls and ARA automatic reclosers; they enable tripping or remote indication of their position (open/closed/tripped) upon a fault.

■ They are fastened by clips (without tools) to the left side of the breaker.

■ The iOF/SD+OF auxiliary is a 2-in-1 product: via a mechanical selector switch, it provides two contacts, OF+SD or OF+OF.

■ The iOF+SD24 auxiliary can report open/closed (OF) status information and intentional or fault tripping of the associated device (SD) to the Acti 9 Smartlink or a programmable logic controller via the Ti24 interface (24 V DC).

Tripping auxiliaries:

IEC/EN 60947-1

- iMN: undervoltage release
- iMNs: delayed undervoltage release
- iMNx: undervoltage release, independant from supply voltage
- iMX: shunt release
- iMX+OF: shunt release with open/close contact.

EN 50550

- iMSU: overvoltage release

Indication auxiliaries:

IEC/EN 60947-5-1

- iOF: open/close contact
- iSD: fault indicating contact
- iOF/SD+OF: open/close contact and switchable OF or SD contact.

IEC/EN 60947-5-4

- iOF+SD24: open/close contact OF and default indicating contact SD with Ti24 interface.

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The mounting order for the various auxiliaries must be complied with. The tripping auxiliaries (iMN, iMX) should be mounted first, as close as possible to the circuit breaker or the residual current circuit breaker. Then, the indicating auxiliaries (iOF, iSD) should be mounted, complying with their position shown in the following table.

Indicating auxiliaries

PB104474-25



PB104475-25



DB123583














1 (iOF/SD+OF or iOF+SD24 or iSD)	1 iOF/SD+OF
1 iOF	1 (iSD or iOF or iOF/SD+OF)
None	1 iOF+SD24
None	None
1 iSD	1 iSD
None	1 (iSD or iOF or iOF/SD+OF or iOF+SD24)
1 iOF	1 (iSD or iOF or iOF/SD+OF)
None	1 (iSD or iOF or iOF/SD+OF or iOF+SD24)
1 iOF	1 (iSD or iOF or iOF/SD+OF)



Tripping devices must be mounted first. Comply with the position of the SD function.

*iSW-NA : the iSD auxiliary contact must be associated with an auxiliary (iMN, iMX, iMX+OF); it indicates that the remote tripping switch disconnector has been tripped open.

Tripping auxiliaries	Remote control	Device	Vigi iC60
 PB104496-25	ARA automatic recloser or RCA remote control	iC60 circuit breaker or iID residual current circuit breaker	Vigi iC60 add-on residual current device
1 (iMN, iMNs, iMNx or iMX, iMX+OF or iMSU) max.	-	 PB104437-25 <i>iC60</i>	 PB104466-25 <i>Vigi iC60</i>
2 (iMN, iMNs, iMNx or iMX, iMX+OF or iMSU) max.	-	-	-
2 (iMN, iMNs, iMNx or iMX, iMX+OF or iMSU) max.	-	-	-
3 iMSU max.	-	-	-
1 (iMN, iMNs, iMNx or iMX, iMX+OF or iMSU) max.	-	 PB104472-25 <i>iID/iSW-NA</i>	-
1 (iMN, iMNs, iMNx or iMX, iMX+OF or iMSU) max.	 PB108256-25 <i>ARA</i>	 PB104437-25 <i>iC60</i>	 PB104466-25 <i>Vigi iC60</i>
None	-	 PB104472-25 <i>iID</i>	-
1 (iMX or iMN or iMSU) max.	 PB106253-25 <i>RCA</i>	 PB104437-25 <i>iC60</i>	 PB104437-25 <i>Vigi iC60</i>
None	-	-	-