

Selection and ordering data



3RN2000-1AA30



3RN2010-1BA30



3RN2011-1BA30



3RN2012-1BW30



3RN2023-1DW30

Product function	Number of CO contacts for auxiliary contacts	Number of NO contacts for auxiliary contacts	Number of NC contacts for auxiliary contacts	Material of switching contacts	Control supply voltage		SD	Article No.	Price per PU	PU (UNIT, SET, M)	PS*	PG
					At AC at 50 Hz, rated value	At DC rated value						
					V	V	d					

Compact evaluation unit, suitable for bimetallic switch

Terminal A1 jumpered with root of changeover contact

Auto RESET	1	0	0	AgSnO2	24 ... 24	24 ... 24	2	3RN2000-□AA30		1	1 unit	41H
					24 ... 240	24 ... 240	2	3RN2000-□AW30		1	1 unit	41H
	0	1	1	AgSnO2	24 ... 24	24 ... 24	2	3RN2010-□CA30		1	1 unit	41H
					24 ... 240	24 ... 240	2	3RN2010-□CW30		1	1 unit	41H

Standard evaluation unit, suitable for bimetallic switch

Auto RESET	2	0	0	AgSnO2	24 ... 24	24 ... 24	2	3RN2010-□BA30		1	1 unit	41H
					24 ... 240	24 ... 240	2	3RN2010-□BW30		1	1 unit	41H

Bistable evaluation unit, open-circuit and short-circuit detection in the sensor circuit

Does not trigger in the event of control supply voltage failure

Auto RESET	2	0	0	AgSnO2	24 ... 240	24 ... 240	2	3RN2012-□BW31		1	1 unit	41H
Manual RESET												
External RESET												
Fault storage												

Standard evaluation unit with ATEX approval, open-circuit and short-circuit detection in the sensor circuit¹⁾

Manual RESET	2	0	0	AgSnO2	24 ... 24	24 ... 24	2	3RN2011-□BA30		1	1 unit	41H
External RESET					24 ... 240	24 ... 240	2	3RN2011-□BW30		1	1 unit	41H

Non-volatile³⁾

Auto RESET	2	0	0	AgSnO2	24 ... 24	24 ... 24	2	3RN2012-□BA30		1	1 unit	41H
Manual RESET					24 ... 240	24 ... 240	2	3RN2012-□BW30		1	1 unit	41H
External RESET												
Fault storage												

Protective separation, non-volatile²⁾³⁾

Auto RESET	2	0	0	AgSnO2	24 ... 24	24 ... 24	2	3RN2013-□BA30		1	1 unit	41H
Manual RESET					24 ... 240	24 ... 240	2	3RN2013-□BW30		1	1 unit	41H
External RESET												
Fault storage				AgSnO2 Hard gold-plated	24 ... 240	24 ... 240	2	3RN2013-□GW30		1	1 unit	41H

Evaluation unit with ATEX approval and 2 sensor circuits for warning and disconnection, open-circuit and short-circuit detection in both sensor circuits

Protective separation, non-volatile²⁾³⁾

Auto RESET	1	1	0	AgSnO2	24 ... 240	24 ... 240	2	3RN2023-□DW30		1	1 unit	41H
Manual RESET												
External RESET												
Fault storage												

Type of electrical connection

- Screw terminals
- Spring-loaded terminals (push-in)

¹⁾ For 3RN2011: The unit can be reset with the RESET button or by disconnecting the control supply voltage.

²⁾ Protective separation up to 300 V acc. to DIN/VDE 0160, IEC 60947-1.

³⁾ Protection against voltage failure or non-volatile fault storage means that previous tripping due to a fault remains stored even if the control supply voltage fails. The monitoring device is not reset if the voltage fails. With an active fault, meaning a fault which has not been manually confirmed, an automatic restart of the plant upon recovery of the power is prevented therefore and plant safety increased as the result.