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Binary input, 8-gang 12 – 48 V AC/DC zero-voltage for KNX



Specification	Order No.	Packing unit	PS	EAN
 DRA	2128 00	1		4010337018841

DRA binary inputs for connecting contacts. The switching processes of contacts (e.g. security light/button) are converted to KNX telegrams. The inputs can be assigned various functions or blocked independently of each other in the process. Signal display possible via yellow status LEDs.

Features

- Each input has full function. All channel-oriented functions can be parameterised separately per input.
- Actively transmitting telegrams of inputs can be delayed globally based on bus voltage return or ETS programming.
- Debounce and telegram rate limitations areconfigurable.
- Free assignment of the functions switching, dimming, blinds, value transmitter and pulse counter to the inputs.
- Blocker for blocking individual inputs (polarity of the blocking object adjustable) for the functions switching, dimming, blinds and value transmitter.
- Behaviour upon bus voltage recovery can be configured separately for each input.
- Switching function: two independent switching objects are available for each input (switching commands can be individually configured), command for leading and trailing edge can be set independently (ON, OFF, CHANGE, no reaction), independent cyclical transmission of the switching object depending on the edge or depending on the object value can be selected.
- Dimming function: Single-surface and double-surface operation, time between dimming and switching and dimming increment can be adjusted, telegram repetition and sending a stop telegram possible.
- Blind function: Command can be set with rising edge (no function, UP, DOWN, CHANGE), operating concept can be configured (Step - Move - Step or Move - Step), time between short and long-term operation can be set (only with Step - Move - Step), slat adjustment time can be set.
- Value transmitter function: edge (push button as NO contact, push button as NC contact, switch) and value with edge can be configured, value adjustment with push button by pressing and holding button for value transmitters possible, light scene auxiliary unit with memory function and saving of the scene without previously calling up is possible.
- Pulse counter function: Counting interval is adjustable, edges (counting with leading edge, counting with trailing edge, counting with leading and trailing edge) are programmable, number of pulses required at the input can be configured, number of required counts for a counter change can be configured, each input includes a main counter and an intermediate counter, main counter and intermediate counter can operate separately from each other as a forward or reverse counter, start and end values of the counter can be set via parameter or communication object, count status can be read via KNX or automatically, performance after counter operation is programmable, reset pulse counter via KNX (counter reset).
- The binary input has eight independent inputs in the voltage range of 12 to 48 V that are connected to the electrical signals.
- Evaluation of direct current voltage signals (DC) or alternating current voltage signals (AC).
- The binary input makes a separate 24 V DC auxiliary voltage (SELV) available for the connection of zero-voltage contacts.
- Status message in case of error with the auxiliary voltage on the bus can be removed.
- Possibility to connect meters with S0 interface (e.g. energy, gas, water meter).

Illustrations are similar and may deviate from originals.

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Technical data

KNX medium:	TP256
Length of the input line:	Max. 100 m
Ambient temperature:	-5 °C to +45 °C
Rated voltage:	AC/DC 12 to 48 V
Signal voltage	
- for "0" signal:	-48 to +2 V
- for "1" signal:	8 to 48 V
Input current at rated voltage:	2 mA
Rated voltage S0:	max. DC 27 V
Pulse frequency S0:	max. 33 Hz
Rated frequency AC-signal:	30 to 60 Hz
Signal duration:	min. 15 ms
Number of inputs:	8
Output	
- Voltage:	DC 24 V SELV
- Electricity:	max. 4 mA
Connections	
- KNX:	Connection and junction terminal
- Inputs:	Screw terminals
Connection cross section:	Max. 4 mm²

Scope of supply

- Connection and junction terminal for KNX included with delivery.

Dimensions

Modular width (MW):	4