

	Order no.	Packing unit	PS
	Instabus KNX/EIB heating actuator, 6-gang 0.05 A		

DRA plus	1018 00	1	26
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Product family: Output

Product type: Binary output, 6-gang

6-gang DRA heating actuator with integrated bus coupler. For switching electrothermic valve drives for heating systems. The heating actuator is equipped with 6 electronic outputs which can control valve drives in dependence on Instabus telegrams. In the process, up to 4 electrothermic valve drives can be connected per output. Installation on DIN cap rail.

The outputs can be controlled either with switching or with pulse-width modulation (PWM). Separate overload and short-circuit detection for each output.

The function of the actuator can also be tested without bus voltage. In the unprogrammed state, pulse width modulation with a corrected variable of 50 % and a cycle time of 15 minutes are already stored in the actuator.

Features which can be set via software:

- 6 independent outputs, each controllable with a corrected variable (1 bit or 1 byte)
- Status feedback (1 bit or 1 byte) per output automatically or on read request
- Valve control (open/closed while deenergised) can be configured for each output
- Summer or winter operation can be selected via an object
- Cyclical monitoring of the corrected variable of each output; if a corrected variable telegram remains off within a monitoring period, the affected output switches into the emergency mode and an alarm message is sent
- Each output can be locked in a forced position, and different values are possible for summer and winter operation
- Behaviour when the bus voltage returns and fails can be configured separately for each output
- Overload or short-circuit message via an object can be set separately for each output
- Mains failure message via an object
- Group message when all valves are closed
- Object for feedback of largest 1 byte corrected variable of an output stored in the actuator

Switching contact:	6 x Triac
Rated voltage:	230 V AC, 50/60 Hz
Switch-on current:	max. 1.5 A
Rated current:	0.05 A ohmic load
Connections:	Instabus via connection and branch terminal 0595 00 load via screw terminals 0.2 to 4 mm ² single-wire 2 x 0.2 to 2.5 mm ² single-wire 0.75 to 4 mm ² fine-wire without core jacket 0.5 to 2.5 mm ² fine-wire with core jacket
Operating temperature:	-5 °C to +45 °C (Cannot be used in heating circuit distributors)
Protection type:	IP 20
Dimensions:	DRA device, 4 depth modules

Thermal valve drive 230 V 1122 00 → Page 375.

Instabus connection and branch terminal 0595 00 → Page 377.

	Order no.	Packing unit	PS
	Instabus KNX/EIB switching actuator, 8-gang 16 A with manual activation		

DRA plus	1006 00	1	26
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Product family: Output

Product type: Binary output, 8-gang

8-gang DRA switching actuator with integrated bus coupler. For switching eight independently controllable groups of loads. Installation on DIN cap rail. With manual switch for switching over the relay (On/Off) parallel or without KNX/EIB operation. No additional power supply. The ETS3.0d is recommended for configuring and commissioning the device. Multi-phase connection.

Functions:

- Independent switching of the 8 outputs.
- Manual actuation of the relay independent of the bus/switching position display.
- NO contact or NC contact operation.
- Central switching function.
- Group feedback for reduction of bus load.
- Active or passive (object can be read out) cyclical feedback function.
- Feedback can be delayed until after the return of bus voltage.
- Logical linking function for each output.
- Block function can be parameterised for each channel. As an alternative, forced setting function for each output.
- Time functions (switch-on, switch-off delay, staircase light function - also with advance warning function).
- Inclusion in light scenes possible, maximum of 8 internal scenes can be parameterised per channel.
- Memory function for light scenes.
- Elapsed-hours meter as forward/backward counter with limit function (limit can be changed via bus) can be activated for each output.
- Input monitoring for cyclical updating with safety setting.
- Reactions in case of bus voltage failure and restoration can be set for each channel following an ETS programming process.

Switching contact: Relay with 8 x zero-voltage closing contacts

Loading capacity
AC 230 V: 16 A / AC 1 or 10 A / AC 3

Loading capacity
AC 400 V: 10 A/AC 1 or 6 A/AC 3

DC switching capacity: 16 A/24 V
Max. switch-on current: 400 A, 150 µs
200 A, 600 µs

Connected load: 3600 W ohmic load
16 A, max. 140 µF capacitive load AC 230 V
2500 W light bulbs
2500 W HV halogen
1200 VA LV halogen, wound transformer
1500 W LV halogen, Gira Tronic transformer
2500 VA fluorescent lamps, not compensated
2300 VA fluorescent lamps duo-circuit
1300 VA fluorescent lamps, parallel-compensated
2000 W mercury-vapour lamps, uncompensated
2000 W mercury-vapour lamps, parallel compensated

Connections: Instabus via connection and branch terminal **0595 00**
load via screw terminals
0.2 to 4 mm² single-wire
2 x 0.2 to 2.5 mm² single-wire
0.75 to 4 mm² fine-wire without core jacket
0.5 to 2.5 mm² fine-wire with core jacket

Dimensions: DRA device, 8 depth module

Instabus connection and branch terminal 0595 00 → Page 377.