

6DT1031; 6DT1032 RED

Reversing contactor step regulator 2,2kW and 7,5kW

Redesign

The original Siemens reversing contactor regulators are no longer available. Regarding connection, dimensions and functions, our newly developed and redesigned devices are fully compatible with the original, and can be installed/ placed "plug-and-play" in the existing location.

The modular units with 2.2 kW and 7.5kW output rating are mounted in a 1/2-19-inch 3HE rack.

For maintenance each of the contactors and relays are easily replaceable. The construction is designed for natural convection cooling in a control cabinet with a 50% overload rating, and an ambient temperature of max. 60°C.

The units work as a 3-phase reversing switch, for change of rotation and with an automatic brake (if installed) for stopping.

The rotation direction of the connected AC actuator motor is determined by contactor reversed phase switching.

Hereby, the respective rotation (CW and CCW) are indicated by signalling LEDs in the front panel.

The logical input conditions for CW and CCW control are mutually locked. A signal change at only one of the logic inputs during operation does not cause a change in the actuators rotation direction. Interference pulses are suppressed.

Depending on how the module has been configured by means of jumpers, the turn-off time between the positioning pulse is 200ms, to avoid a short circuit between the phases.

When the actuators rotation direction is to be changed, the contactor turn-off times preceding and following the braking time are added to give a total time, after which the actuator is reversed.

Furthermore, the control unit monitors phases U and W with lamp H1, the system voltage, and the actuator temperature.

Each of the two monitors can trigger a corresponding alarm signal, which can be processed by an external superordinate system.

On the frontplate:

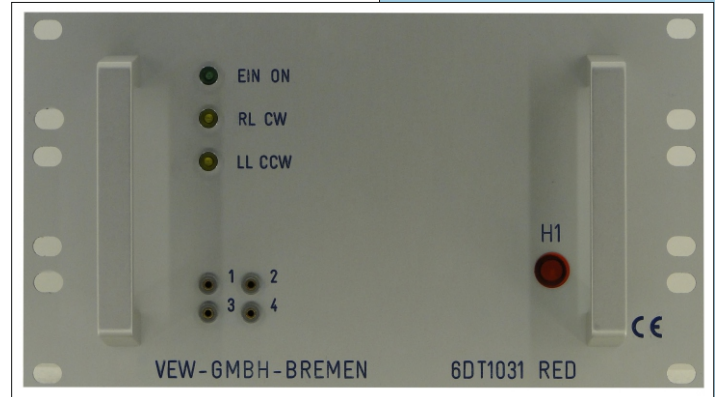
The test socket 1...4 to control or simulate stepper pulses,

the glow lamp H1 to show actuator active,

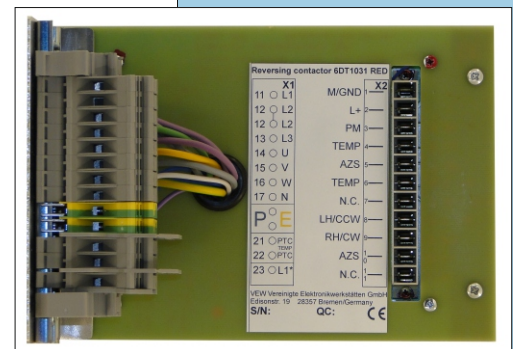
the LEDs „on“ (green), direction „CW“ (yellow) and „CCW“ (yellow).

Samples are available of:

VEW 6DT1013; 1021; 1022; 1023; 1024; 1025; 1026; 1031; 1032; 1033 RED



6DT1031/32 RED frontside



6DT1031/32 backside

Technical data:

Supply voltage	: 380V/400V AC; 3Ph
Output rating	: 6DT1031 2,2kW; 6DT1032 7,5kW
Input, logic signal	: +24V-Pegel; CW; CCW; (Stop)
Switching frequency	: max. 1200/h
Impulse length	: >150ms
Control voltage L1	: 220/230V AC 50Hz
Input level	: DC +24V (H +15...+30V, L -2V ...+4,5V)
Output	: nom. 24V DC PM (16...30V)
Output current	: 100mA, short circuit proof



DIE ENTWICKLER

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