6DT1033; 6DT1034

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

Redesign

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

6DT1033; 6DT1034 RED

The modular units with 2.2 kW and 7.5kW output rating are mounted in a ½-19-inch 3HE rack.
The open-frame 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 reversal switch with an automatic brake for stopping and change of rotation direction.
The rotation direction of the connected AC actuator motor is determined by contactor reversed phase switching.
Hereby, the respective rotation (CW and CCW) and actuation of the brake are indicated by signalling LEDs in the front panel.
The automatic brake is triggered between every change of rotation direction and for stopping.
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 with lamp H1 phases L2 and L3, the system voltage, and the actuator temperature.
Each of the three monitors can trigger a corresponding alarm signal, which can be processed by an external superordinate system.

motor output X1 16pol.

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" and ,,CCW" (yellow), ,,brake" active (red),
the overload circuit F1.

Samples are available.
Also in stock: 6DT1013; 1021; 1022; 1023; 1024; 1025; 1026 RED

Technical data:

Supply voltage	: 380V/400V AC; 3Ph
Output rating	: 6DT1033 2,2kW; 6DT1034 7,5kW
Input, logic signal	: +24V-Pegel; CW; CCW; (Stop)
Brake	: Brake lifting magnet
Switching frequency	: 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

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