



Toshiba TOSVERT VF-S15 Instruction Manual

Shock monitoring function

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TOSVERT VF-S15

Shock monitoring function Instruction Manual

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[Page 3: Shock Monitoring Function](#)

E6581875 1. Introduction TOSVERT VF-S15 is equipped with shock monitoring function. In case output current or torque exceeds or lowers the set level for a certain amount of time, the inverter outputs the alarm signal from output terminals or trips (inverter stops). Temporary change in current or torque can be eliminated from detecting conditions.

[Page 4: Setting And Operation Of Shock Monitoring Function](#)

E6581875 3. Setting and operation of shock monitoring function 3.1 Related parameters Set items and conditions of detection using parameters. Title Function Adjustment range Default setting 0: Disabled f590 Shock monitoring 1: Current detection 2: Torque detection Shock monitoring trip/alarm 0: Alarm only f591 selection...

[Page 5](#) E6581875 2) Low-current/ torque detection <Example> Select object of detection with f590: f590=1 (Current detection), 2(Torque detection) f591=0 (Alarm only) f592=1 (Low-current/ torque detection) Output terminal function: 182 (SUPA) Shock monitoring pre-alarm signal Alarm signal output less than f595 f595 Output current/ torque (%) f593-f596 f593...

[Page 6](#) E6581875 <Example> f598=1, f597=15 (s), and acceleration continues for less than 15 seconds. Operation command Alarm signal output Output frequency (Hz) f597 f595 f593 Output current/ torque (%) * In case of less than f595, and the inverter is in acceleration/ deceleration status or over-current stall during detection activates, detection time will be reset.