5.2   Standard Function Blocks

Bistable function blocks

Bistable function blocks (set priority)

Function block symbol	Description	Reference
SR	Judges two input values and outputs 1 (TRUE) or 0 (FALSE). (Set priority)	Page 1364
SR_E		

Bistable function blocks (reset priority)

Function block symbol	Description	Reference
RS	Judges two input values and outputs 1 (TRUE) or 0 (FALSE). (Reset priority)	Page 1366
RS_E		

Edge detection function blocks

Rising edge detector

Function block symbol	Description	Reference
R_TRIG	Detects the rising edge of a signal, and outputs a pulse signal.	Page 1368
R_TRIG_E		

Falling edge detector

Function block symbol	Description	Reference
F_TRIG	Detects the falling edge of a signal, and outputs a pulse signal.	Page 1370
F_TRIG_E		

Counter function blocks

Up counter

Function block symbol	Description	Reference
CTU	Counts up the number of times of rising of a signal.	Page 1372
CTU_E		

Down counter

Function block symbol	Description	Reference
CTD	Counts down the number of times of rising of a signal.	Page 1374
CTD_E		

Up/Down counter

Function block symbol	Description	Reference
CTUD	Counts up/down the number of times of rising of a signal.	Page 1376
CTUD_E		

Counter function block

Function block symbol	Description	Reference
COUNTER_FB_M	Counts up the number of times of rising of a signal from (s3) to (s2).	Page 1379