



# Overcurrent Protection SIPROTEC 7SJ602

Protection  
SIPROTEC 4

Product description	Variants	Order No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
<b>Overcurrent, directional ground/earth fault Detection and Motor protection relay</b>			7	S	J	6	0	2	□	-	□	□	□	□	-	□	□	□
(continued from previous page)	ANSI-No.																	
Basic version (contained in all options)	50/51	Time-overcurrent protection TOC phase $I>$ , $I>>$ , $I>>>$ , $I_p$ reverse interlocking	F	A														1)
	50N/51N	Ground/earth-fault protection TOC ground/earth $I_E >$ , $I_E >>$ , $I_{Ep}$																
	49	Overload protection																
	74TC	Trip circuit supervision																
	50BF	Circuit breaker failure protection <sup>3)</sup>																
	46	Cold load pickup Negative sequence / unbalanced load protection																
■	67Ns 64	Directional sensitive ground/earth-fault detection, $I_{EE} >$ , $I_{EE} >>$ , $I_{Ep}$ Displacement voltage	F	B														2)
■	50Ns/51Ns	Sensitive ground/earth-fault detection, $I_{EE} >$ , $I_{EE} >>$ , $I_{Ep}$ <sup>3)</sup> Voltage and power measuring	F	J														2)
■	Motor 48 37 66/68	Starting time supervision Undercurrent / loss of load monitoring Restart inhibit	H	A														1)
■	Motor 67Ns 64 48 37 66/68	Directional sensitive ground/earth-fault detection, $I_{EE} >$ , $I_{EE} >>$ , $I_{Ep}$ Displacement voltage Starting time supervision Undercurrent / loss of load monitoring Restart inhibit	H	B														2)
■	Motor 50Ns/51Ns 48 37 66/68	Sensitive ground/earth-fault detection, $I_{EE} >$ , $I_{EE} >>$ , $I_{Ep}$ <sup>3)</sup> Starting time supervision Undercurrent / loss of load monitoring Restart inhibit	H	J														2)
ARC		Without autoreclose With autoreclose																0 1

■ Basic version included

1) Only with position 7 = 1 or 5

2) Only with position 7 = 2 or 6

3) 50Ns/51Ns alternatively to 50N/51N