SITOP PSE200U

LED $\ensuremath{\textcircled{\$}}$ and group signaling contact or status output $\ensuremath{\textcircled{\$}}$

Signaling		6EP1961-2BA11	6EP1961-2BA31	
Signaling		6EP1961-2BA21	6EP1961-2BA41	
	Off	6EP1961-2BA51	6EP1961-2BA61	
0	Off	All LEDs:		
		No supply voltage		
		Device powering up: After the device has powered up, the outputs are switched on, taking into consideration the switch-on delay that has been set.		
		Group signal: Inactive	Status output¹*: -	
		LED, individual output: Output defective (internal fuse has ruptured)		
		Group signal: Inactive	Status output¹*: Ci = '0'	
	Lights	Normal operation, output is switched on		
	up green	Group signal: Active	Status output1*: Ci = '1'	
*	Flash- es green	The output current is in the overload range according to the shutdown characteristic (see Chapter SITOP PSE200U (Page 23))		
		-2BA11, -2BA21, -2BA31, -2BA41: overload at the output: Output current 101 - 150 % of the response threshold (for 5 s)		
		-2BA51, -2BA61: overload at the output: Output current 101 - 110 % of the response threshold (for 5 s)		
		Group signal: Active	Status output1*: Ci = '1'	
	Lights up red	Output automatically shut down due to overload or external overvoltage > ty 30 V/100 ms. The output can be switched on again after a typical wait time of 20 s. The wait time still to elapse is saved when switching off the device — and is reactivated after the device has been switched on again.		
		Group signal: Inactive	Status output1*: Ci = '0'	
*	Flash- es red	Output ready to be reset after an automatic switch off by actuating the buttor or remote reset (effective for all outputs that have been automatically switched off)		
		Group signal: Inactive	Status output ^{1*} : Ci = '0'	
*	Flash- es orange	Output manually switched off using the button: The state is saved when device is switched off, and can only be reset again by pressing the up by again. (Delivery state)		
		Group signal: Active	Status output1*: Ci = '0'	
*000 >>>	Red running light	Device overtemperature: The outputs can be switched-on again once the temperature is in the normal range.		
		Group signal: Inactive	Status output ^{1*} : Ci = '0'	
Group signaling contact (changeover contact)		In the "inactive" state, 11-12 are connected and 11-14 open	-	

2.4 Status displays and signaling

Signaling	6EP1961-2BA11	6EP1961-2BA31
	6EP1961-2BA21	6EP1961-2BA41
	6EP1961-2BA51	6EP1961-2BA61
Status output	-	Serial signaling (see Figure 2-5 Status signaling (Page 18)), '1' = 24 V DC / '0' = 0 V (pull down)

^{1*} The status of all four outputs is serially signaled using status output ④ (see Figure 2-5 Status signaling (Page 18)). A frame comprises a start bit START and four status bits Ci (i=1 ... 4), which are each separated by a pause bit P. While the device powers up, or if the supply voltage is missing, nothing is signaled, the status remains continuously at '0'. For SIMATIC-S7 controllers (S7-300/400/1200/1500), a function block for evaluation is available under (http://www.siemens.com/sitop) or the direct link (https://support.industry.siemens.com/cs/us/en/view/61450284).

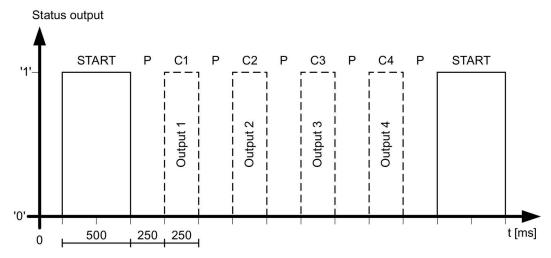


Figure 2-5 Status signaling