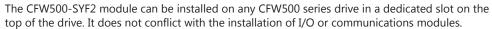


## WEG CFW500 Safety Module

The CFW500-SYF2 is a safety module capable of providing STO (Safe Torque Off) and SS1-t (Safe Stop 1 Time Controlled) safety operations.

- The STO function disables torque-generating power to the motor. This method of disabling the motor is very reliable against unexpected motor starts, even under a fault condition. When activated, the STO safety function blocks power from the drive's output electronic circuit, causing the motor to coast to a stop.
- The SS1-t function also disables torque-generating power to the motor but waits a predetermined period of time to allow the drive to impose a deceleration ramp before removing torque. This is especially useful in situations where inertial loads need to be decelerated before torque is removed from the motor.





WEG CFW500 Safety Module							
WEG MAT #	Model #	Price	Description	Features/Specifications		Drawing Link	CFW500 Drive
<u>15560296</u>	CFW500-SFY2	\$72.00	Safety function module (STO and SS1-t)*	Safety functions	Safe torque off (STO) according to IEC/EN 61800-6-2 or stop category 0 according to IEC/EN 60204-1  Safe stop 1 time controlled (SS1-t) according to IEC/EN 61800-6-2 or stop category 1 according to IEC/EN 60204-1	_	All
				Safety category	SIL 3, per IEC 61508 / IEC 62061 / IEC 61800-5-2 PL e, category 4, as pwer EN ISO 13849-1		
				PFD <sub>avg</sub>	< 2.74 x 10 <sup>-4</sup>		
				PFH (1/h)	<3.13 x 10 <sup>-9</sup>		
				$MTTF_d(y)$	> 1600 years		
				DC <sub>avg</sub>	93%		
				Proof test interval	20 years		
				Response/reaction time	<100ms		
				OSSD test pulses	Pulse duration: <1ms Interval between pulses on same channel: >8ms Interval between pulses on different channels: >4ms		
				Safety input signals	ON: 15VDC – 30 VDC		
				Maximum discrepancy time between safety input signals	1s		
				Safety power supply	+24VDC ± 15% SELV type according to IEC 60950-1 PELV type according to IEC 60204-1		



