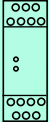
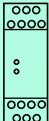
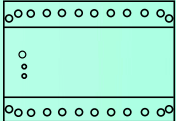


Safety Control Modules for Emergency Stop Circuits

TYPICAL APPLICATIONS	APPROVALS	DIMENSIONS	Category per EN 954-1	Input channels	Safety contacts	Auxiliary contacts	Switching Capacity
Single Channel Emergency Stop Module - E-Stop circuits up to Category 2 (EN 954-1) - Sliding door protection - Conveyors / transfer lines	 According to the Machinery Directive: 98/37/EC and IEC/EN 60204 	Front view  22,5 mm x 121 mm x 84 mm / 0.89 in x 4.77 in x 3.31 in	2	1	3 NO 1 NC		4 A
Single Channel Emergency Stop Module - E-Stop circuits up to Category 2 (EN 954-1) - Sliding door protection - Conveyors / transfer lines	 According to the Machinery Directive: 98/37/EC and IEC/EN 60204 	Front view  45 mm x 121 mm x 74 mm / 1.77 in x 4.76 in x 2.91 in	2	1	2 NO		10 A
Dual Channel Emergency Stop Module - E-Stop circuits up to Category 4 (EN 954-1) - Door protection - Conveyor / transfer lines	 According to the Machinery Directive: 98/37/EC and IEC/EN 60204 	Front view  22,5 mm x 118 mm x 84 mm / 0.89 in x 4.65 in x 3.31 in	4	2	2 NO 1 NC		7 A
Dual Channel Emergency Stop Module - E-Stop circuits up to Category 4 (EN 954-1) - Door protection - Conveyor / transfer lines	 According to the Machinery Directive: 98/37/EC and IEC/EN 60204 	Front view  45 mm x 121 mm x 74 mm / 1.77 in x 4.76 in x 2.91 in	4	2	3 NO 1 NC		10 A
Dual Channel Emergency Stop Module - E-Stop circuits up to Category 4 (EN 954-1) - Door protection - Conveyor / transfer lines	 According to the Machinery Directive: 98/37/EC and IEC/EN 60204 	Front view  100 mm x 121 mm x 74 mm / 3.93 in x 4.76 in x 2.91 in	4	2	6 NO 1 NC		10 A

Response time	Automatic restart	Manual restart	Restart P/B monitoring	FSD monitoring	Power status indicator	Outputs status indicator	Cross-fault detection	Typical electrical lifespan (number of operations)	Sealing	Voltage	Removable strips	DIN rail mounting	
35 ms	■	■		■	■	■		10 ⁶	IP 20	24 Vdc	■	■	FF-SRS5924 
35 ms	■	■		■	■	■		10 ⁶	IP 20	24 Vdc 120 Vac 230 Vac		■	FF-SRS5934 
15 ms	■	■	■	■	■	■	■	0,75 x 10 ⁶	IP 20	24 Vac/dc	■	■	FF-SRS5925 
25 ms	■	■	■	■	■	■	■	10 ⁶	IP 20	24 Vdc 120 Vac 230 Vac	■	■	FF-SRS5935 
30 ms	■	■	■	■	■	■	■	10 ⁶	IP 20	120 Vac 24 Vdc 230 Vac	■	■	FF-SRS5988 

FF-SRS5924

FF-SRS5934

FF-SRS5925

FF-SRS5935

FF-SRS5988

Safety Control Modules for Machine Interfacing

TYPICAL APPLICATIONS	APPROVALS	DIMENSIONS	Category per EN 954-1			
			Input channels	Safety contacts	Switching capacity	
Two Hand Control - Interfaces up to Category 1 (EN 954-1) - Category IIIA (EN 574) - Hand injury protection e.g. due to dangerous machine movement - Robotics - Pick and place machines	 According to Machinery Directive 98/37/EC and IEC/EN 60204 	Front view 45 mm x 121 mm x 74 mm / 1.77 in x 4.76 in x 2.91 in	1	2	2 NO	10 A
Safety Door Monitor - Interfaces up to Category 4 (EN 954-1) - Monitors the status of limit switches on a safety door	 According to Machinery Directive 98/37/EC and IEC/EN 60204 	Front view 45 mm x 121 mm x 74 mm / 1.77 in x 4.76 in x 2.91 in	4	2	2 NO	10 A
Extension Module - Interfaces up to Category 4 (EN 954-1) - Contact multiplication: - safety control modules - safety light curtains with relay outputs - other safety devices	 (pending) According to Machinery Directive 98/37/EC and IEC/EN 60204 	Front view 22.5 mm x 121 mm x 74 mm / 0.89 in x 4.77 in x 2.91 in	③ 1	2	4 NO 1 NC	5 A
Extension Module - Interfaces up to Category 4 (EN 954-1) - Contact multiplication: - safety control modules - safety light curtains with relay outputs - other safety devices	 According to Machinery Directive 98/37/EC and IEC/EN 60204 	Front view 100 mm x 121 mm x 74 mm / 3.94 in x 4.76 in x 2.91 in	③ 1	2	7 NO 1 NC	10 A

③ The overall safety category depends on the category of the main safety control module, therefore a higher safety category may be reached.

Response time	Automatic restart	FSD monitoring	Power status indicator	Outputs status indicator	Cross-fault detection	Typical electrical lifespan (number of operations)	Simultaneity of 2 input channels	Sealing	Voltage	Removable terminal strips	DIN rail mount	
30 ms	■	■	■	■	10 ⁶	0,5 s	IP 20	24 Vdc	■	■		FF-SR25980
30 ms	■	■		■	10 ⁶	3 s	IP 20	24 Vdc 120 Vac 230 Vac	■	■		FF-SRD5985
35 ms		■	■		10 ⁶		IP 20	24 Vac/dc	■	■		FF-SRE59292
15 ms		■	■		10 ⁶		IP 20	24 Vac/dc 120 Vac 230 Vac	■	■		FF-SRE3081

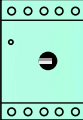
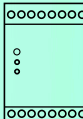
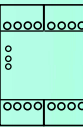
FF-SR25980

FF-SRD5985

FF-SRE59292

FF-SRE3081

Safety Control Modules for Machine Interfacing

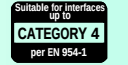
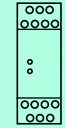
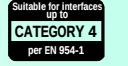
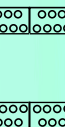
TYPICAL APPLICATIONS	APPROVALS	DIMENSIONS	Category per EN 954-1			
			Input channels	Safety contacts	Switching capacity	
Time Delay Module Time delay before disconnection of safety interface circuits	 According to Machinery Directive 98/37/EC and IEC/EN 60204  Suitable for interfaces up to CATEGORY 1 per EN 954-1	Front view  45 mm x 121 mm x 74 mm / 1.77 in x 4.76 in x 2.91 in	③ 1	1 or 2	1 NO 1 NC	8 A
Emergency Stop Module with Timer - Time delay before disconnection of safety interface circuits - Door protection: delayed opening of an interlocked protective gate	 (Pending) According to Machinery Directive 98/37/EC and IEC/EN 60204  Suitable for interfaces up to Category 3 per EN 954-1 (direct safety contacts)  Suitable for interfaces up to Category 4 per EN 954-1 (delayed safety contacts)	Front view  45 mm x 121 mm x 74 mm / 1.77 in x 4.76 in x 2.91 in	⑤ 4 ④ 3	2	2 NO 1 NC	5 A ④ ⑤
Standstill Monitor - Standstill detection of induction motors - Used to unlock a safety door guarding a rotating machine only when the hazardous movement is stopped - Used to activate an emergency brake when a e-stop signal is received and while the motion is still present.	  Suitable for interfaces up to CATEGORY 1 per EN 954-1	Front view  45 mm x 121 mm x 74 mm / 1.77 in x 4.76 in x 2.91 in	③ 1	1	2 NO 2 NC	8 A
Standstill and Low Speed Monitor - Standstill monitor / low speed monitor for any kind of rotating devices - Used to unlock a safety door guarding a rotating machine only when the hazardous movement is stopped - Used to activate an emergency brake when an e-stop signal is received and while the motion is still present	 (Pending) According to Machinery Directive 98/37/CE and IEC/EN 60204  Suitable for interfaces up to Category 3 per EN 954-1	Front view  45 mm x 121 mm x 74 mm / 1.77 in x 4.76 in x 2.91 in	③ 3	2	2 NO 1 NC	4 A

③ The overall safety category depends on the category of the main safety control module, therefore a higher safety category may be reached. ④ Direct contacts ⑤ Delayed contacts

Response time	Automatic restart	Manual restart	Start P/B monitoring	FSD monitoring	Power status indicator	Stopped motor indicator	Outputs status indicator	Cross-fault detection	Typical electrical lifespan (Number of operations)	Simultaneity of 2 input channels	Sealing	Voltage	Removable terminal strips	DIN rail mounting	
					■			3 x 10 ⁶	IP 20	24 Vdc 120 Vac 230 Vac	■				FF-SRT 
15 ms ⑥	■	■	■	■	■	■	■	10 ⁶	IP 20	24 Vac/dc	■	■			FF-SRST 
2 s	■			■	■	■		10 ⁶	IP 20	24 Vdc 120 Vac 230 Vac	■				FF-SR05936 
3,2 ms / 8,3 s	■			■	■			10 ⁶	0,5 s IP 20	24 Vac/dc 120 Vac 230 Vac	■	■			FF-SR05932 

⑥ Broken wire detection in measuring inputs

Relay Control Modules to be used with ESPE equipment

TYPICAL APPLICATIONS	APPROVALS	DIMENSIONS	Category per EN 954-1 Input channels ESPE static outputs compatibility Safety contacts Switching current Equipment				
Dual channel control module (for ESPE with static safety outputs) Compatible with Honeywell ESPE FF-SYA, FF-SG, FF-SLG Series	   	Front view  22,5 mm x 118 mm x 84 mm / 0.89 in x 4.65 in x 3.31 in	4	2	■	2 NO 1 NC	7 A
Dual channel control module (for ESPE with static safety outputs) Compatible with Honeywell ESPE FF-SYA, FF-SG, FF-SLG Series	   	Front view  45 mm x 121 mm x 74 mm / 1.77 in x 4.76 in x 2.91 in	4	2	■	⑦ 2 NO 1 NC	6 A
Dual channel control module (for ESPE with static safety outputs) Compatible with Honeywell ESPE FF-SYA, FF-SG, FF-SLG Series	   	Front view  45 mm x 118 mm x 84 mm / 1.77 in x 4.64 in x 3.30 in	4	2	■	3 NO 1 NC	6 A

⑦ Single, not internally redundant contacts

Response time	Automatic restart	Manual restart	Start P/B monitoring	FSD monitoring	Power status indicator	Inputs status indicator	Outputs status indicator	Restart conditions indicator	Cross-fault detection	Typical electrical lifespan (Number of operations)	Simultaneity of 2 input channels	Sealing	Voltage	Removable strips	DIN rail mounting	
15 ms	■	■	■	■	■	■		⑧	7,5 x 10 ⁶			IP 20	24 Vdc	■	■	FF-SRL59252 
15 ms	■	■	■	■	■	■	■	■	⑧	10 ⁶	30 ms	IP 20	24 Vdc	■	■	FF-SRS59392 
15 ms	■	■	■	■	■	■	■		⑧	10 ⁶		IP 20	24 Vdc	■	■	FF-SRL59192 

⑧ Cross-fault detection between inputs must be performed by the connected ESPE (Electrosensitive Protective Equipment).

Safety Control Modules to be used with ESPE equipment

TYPICAL APPLICATIONS	APPROVALS	DIMENSIONS	Category per EN 954-1	Input channels	ESPE static outputs compatibility	Safety contacts	Switching current	Switching voltage
Category 4 Muting for Conveyor or Machine Applications <i>Compatible with any Honeywell Type 2, Type 3 or Type 4 electrosensitive protective equipment*</i> <i>Accept one muted safety device and one auxiliary safety device (muted or non muted)</i> <i>*with some restrictions (see product installation manual)</i>	 C US (pending)   Suitable for interfaces up to CATEGORY 4 per EN 954-1	Front view  45 mm x 121 mm x 74 mm / 1.77 in x 4.76 in x 2.91 in	4	2 x 2	■	3 NO	5 A	24 Vdc

Response time	Automatic restart	Manual restart	FSD monitoring	Override function	Test output	Power status indicator/output	Muting indicator/output	Outputs status indicator/output	Restart status indicator/output	Restart condition indicator/output	Failure diagnostic indicator / output	Cross-fault detection	Typical electrical lifespan	Simultaneity of start muting inputs	Voltage	Removable terminal strips	DIN rail mounting
25 ms	■	■	■	■	■	■	■	■	■	■	■	2 x 10 ⁶ (1 A)	10 s	24 Vdc	■	■	

FF-SRM200P2



New