






Catalogs > Safety Products Catalog > Logic > Safety Relays > Selection Navigator

Selection Navigator

Safety Relay Selection Navigator



Relay Model	Cat. per EN 954-1							SE	Immediate Outputs					Delayed Outputs					
		1 NC	2 NC	1 NC & 1 NO	THC	SM	LC/SG		Safety		Auxiliary			Safety			Auxiliary		
									EM NO	SS NO	EM NC	SS NC	SS NO	EM NO	EM NC	SS NO	EM NC	SS NC	SS NO
Single Function Safety Relays																			
MSR9T	3	–	–	1	–	–	–	–	2	–	1	–	–	–	–	–	–	–	–
MSR30RT/RTP	4	1	1	–	–	–	–	–	2	–	–	1	–	–	–	–	–	–	–
MSR33RT/RTP	4	–	–	1	–	–	–	–	2	–	–	1	–	–	–	–	–	–	–
MSR41	4	–	–	–	–	–	1	–	2	–	2	–	–	–	–	–	–	–	–
MSR117	4	1	–	–	–	–	–	–	3	–	1	–	–	–	–	–	–	–	–
MSR126R/T	4	1	1	–	–	–	1	–	2	–	–	–	–	–	–	–	–	–	–
MSR127RP/TP	4	1	1	–	–	–	1	–	3	–	1	–	–	–	–	–	–	–	–
MSR131RP/TP	4	1	1	–	–	1	1	–	3	–	2	2	–	–	–	–	–	–	–
MSR142RTP	4	1	1	–	–	1	1	–	7	–	4	2	–	–	–	–	–	–	–
MSR144RTP	4	1	1	–	–	1	1	–	2	–	2	2	–	–	–	–	–	–	–
Delayed Outputs																			
CU4	3	–	–	–	–	–	–	–	–	–	–	–	–	2	1	–	–	–	–
MSR38D/DP	4	1	1	–	–	1	–	–	–	–	–	1	–	–	2	–	–	–	–
MSR138DP	4/3	1	1	–	–	–	1	–	2	–	–	–	–	3	–	–	–	–	–
MSR138.1DP	4/3	1	1	–	–	–	1	–	2	–	–	–	–	2	1	–	–	–	–
MSR178DP	4	1	1	–	1	–	1	–	–	–	–	–	–	3	–	–	2	–	–
Specialty Safety Relays																			
Two-Hand Control																			
MSR35H/HP	4	–	–	2	1	–	–	–	2	–	–	1	–	–	–	–	–	–	–
MSR125H/HP	4	–	–	2	1	–	–	–	2	–	–	–	–	–	–	–	–	–	–
Muting Light Curtain																			
MSR22LM	4	–	–	–	–	–	3	–	2	–	1	2	–	–	–	–	–	–	–
MSR42	4	–	1	–	–	–	3	–	2	–	2	–	–	–	–	–	–	–	–
Stop Motion Monitors																			
CU2	1	–	–	1	–	–	–	–	–	–	–	–	–	2	–	1	–	–	–
Speed Monitors																			
MSR57P	4	1	1	1	–	1	1	–	6	–	–	–	–	–	–	–	–	–	–
Back EMF Monitors																			
CU3	1	–	–	–	–	–	–	–	2	–	1	–	–	–	–	–	–	–	–
Mat Controllers																			
MSR23	3	–	–	–	–	1	–	–	2	–	1	–	–	–	–	–	–	–	–
440F-C4000P	3	–	–	–	–	1	–	–	2	–	1	–	–	–	–	–	–	–	–
440F-C4000S	3	–	–	–	–	1	–	–	2	–	1	–	–	–	–	–	–	–	–
Mat Manager																			
C280**	3	–	–	–	–	8*	–	–	6‡	–	1	–	–	–	–	–	–	–	–
Safedge™ Controllers																			
251D	3	–	–	–	–	–	–	1§	2	–	1	–	–	–	–	–	–	–	–
252D	3	–	–	–	–	–	–	1§	1	–	1	–	–	–	–	–	–	–	–
C251P	3	–	–	–	–	–	–	1§	2	–	1	–	–	–	–	–	–	–	–
Sipha Controllers																			
Sipha 1	3	–	–	1	–	–	–	–	1	–	–	1	–	–	–	–	–	–	–
Sipha 2	3	–	–	6	–	–	–	–	2	–	1	–	–	–	–	–	–	–	–
Sipha 6	4	–	–	6	–	–	–	–	2	–	1	–	–	1	–	–	–	–	–

Note: THC= Two-hand Control, SM = Safety Mat, LC = Light Curtain, SG = SensaGuard, SE = Safedge, EM = Electromechanical, SS = Solid State, and * = included







* Up to eight mats can be monitored.

‡ Up to six mats can be monitored.

§ Can support more than one edge in series or parallel.

Operating Voltage				Reset†		Output Switching Current, A		Housing Width (mm)	Removable Terminals	Additional Information	Relay Model
24 DC	24 AC	115 AC	230 AC	Auto./ Man.	Mon. Man.	250V AC	24V DC				
•	•	•	•	•	—	4	3	45.5	—	Description	MSR9T
•	—	—	—	•	•	—	2	22.5	•	Description	MSR30RT/RTP
•	—	—	—	•	•	—	2	22.5	•	Description	MSR33RT/RTP
•	—	—	—	•	—	—	4	22.5	•	Description	MSR41
•	•	—	—	•	—	5	3	22.5	—	Description	MSR117
•	•	•	•	•	•	6	3	22.5	—	Description	MSR126R/T
•	•	•	•	•	•	5	3	22.5	•	Description	MSR127RP/TP
•	•	•	•	•	•	6	3	45.0	•	Description	MSR131RP/TP
—	•	•	•	•	•	6	3	67.5	•	Description	MSR142RTP
•	—	—	—	•	•	5	3	45.0	•	Description	MSR144RTP
•	•	—	—	•	—	5	3	22.5	—	Description	CU4
•	—	—	—	•	•	—	2	22.5	•	Description	MSR38D/DP
•	•	•	•	•	•	6	3	45.0	•	Description	MSR138DP
•	•	•	•	•	•	6	3	45.0	•	Description	MSR138.1DP
•	•	•	•	•	—	4	2	35.0	•	Description	MSR178DP
•	—	—	—	—	—	—	2	22.5	•	Description	MSR35H/HP
•	—	•	•	—	—	6	3	22.5	•	Description	MSR125H/HP
•	—	—	—	—	•	3	3	45.0	•	Description	MSR22LM
•	—	—	—	•	•	—	4	22.5	•	Description	MSR42
•	•	•	•	•	—	4	3	45	—	Description	CU2
•	—	—	—	•	•	—	2	67.5	•	Description	MSR57P
•	•	•	•	•	—	4	3	45	—	Description	CU3
•	•	•	—	•	•	3	3	22.5 & 45.0	•	Description	MSR23M
•	•	•	•	•	•	4	2	210	—	Description	440F-C4000P
•	•	•	•	•	•	4	2	210	—	Description	440F-C4000S
•	•	•	•	•	•	4	2	210	—	Description	C280
•	•	•	•	•	—	2	1	45	—	Description	251D
•	•	—	—	•	—	2	1	22.5	—	Description	252D
•	•	•	•	•	—	2	1	130	—	Description	C251P
•	•	—	—	•	—	4	2	22.5	—	Description	Sipha 1
•	•	•	•	•	—	4	2	45	—	Description	Sipha 2
•	•	•	•	•	—	4	2	90	—	Description	Sipha 6

Note: Auto./Man. = Automatic/Manual and Mon. Man. = Monitored Manual, and • = included

Relay Model	Cat. per EN 954-1	     						SE	Immediate Outputs					Delayed Outputs					
		1 NC	2 NC	1 NC & 1 NO	THC	SM	LC/SG		Safety		Auxiliary			Safety			Auxiliary		
									EM NO	SS NO	EM NC	SS NC	SS NO	EM NO	EM NC	SS NO	EM NC	SS NC	SS NO
Expansion Relays																			
MSR45E	4	–	–	–	–	–	–	–	2	–	–	–	–	–	–	–	–	–	–
MSR132E/EP	4	1	1	–	–	–	–	–	4	–	2	–	–	–	–	–	–	–	–
Delayed Outputs																			
MSR132ED/EDP	3	1	1	–	–	–	–	–	–	–	–	–	–	4	–	–	2	–	–
Modular Safety Relays (Series 200)																			
MSR210P	4	2	2	2	–	2	–	–	2	–	1	–	2	–	–	–	–	–	–
MSR211P	4	2	2	–	–	–	2	–	2	–	1	–	2	–	–	–	–	–	–
MSR220P	4	2	2	2	–	2	–	–	–	–	–	–	–	–	–	–	–	–	–
MSR221P	4	2	2	–	–	–	2	–	–	–	–	–	–	–	–	–	–	–	–
MSR230P	4	–	–	–	–	–	–	–	4	–	–	–	–	–	–	–	–	–	–
MSR238P	3	–	–	–	–	–	–	–	–	–	–	–	–	2	–	–	1	–	–
MSR240P	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
MSR241P	–	–	–	–	–	–	–	–	–	–	–	–	2	–	–	–	–	–	–
MSR245P	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Configurable Safety Relays (Series 300)																			
MSR310P	4	–	–	–	–	–	–	–	–	–	–	–	3	–	–	–	–	–	–
MSR312P	4	–	–	–	–	–	–	–	–	–	–	–	4	–	–	–	–	–	–
MSR320P	4	2	2	2	1	2	2	–	–	–	–	–	2	–	–	–	–	–	–
MSR329P	4	–	–	–	–	–	–	–	–	–	–	–	4	–	–	–	–	–	–
MSR330P	4	–	–	–	–	–	–	–	3	–	1	–	–	–	–	–	–	–	–
MSR338DP	3	–	–	–	–	–	–	–	–	–	–	–	–	3	–	–	1	–	–

Note: THC= Two-hand Control, SM = Safety Mat, LC = Light Curtain, SG = SensaGuard, SE = Safedge, EM = Electromechanical, and SS = Solid State

Operating Voltage				Reset†		Output Switching Current, A		Housing Width (mm)	Removable Terminals	Additional Information	Relay Model
24 DC	24 AC	115 AC	230 AC	Auto./Man.	Mon. Man.	250V AC	24V DC				
–	–	–	–	–	–	3	6	22.5	•	Description	MSR45E
•	•	–	–	–	–	6	3	22.5	•	Description	MSR132E/EP
•	–	–	–	–	–	6	3	22.5	•	Description	MSR132ED/EDP
•	–	–	–	•	•	3	2.5	45.0	•	Description	MSR210P
•	–	–	–	•	•	3	2.5	45.0	•	Description	MSR211P
•	–	–	–	–	–	–	–	17.5	•	Description	MSR220P
•	–	–	–	–	–	–	–	17.5	•	Description	MSR221P
•	–	–	–	–	–	3	2.5	22.5	•	Description	MSR230P
•	–	–	–	–	–	5	3	22.5	•	Description	MSR238P
•	–	–	–	–	–	–	–	17.5	•	Description	MSR240P
•	–	–	–	–	–	–	2	45	•	Description	MSR241P
•	–	–	–	–	–	–	–	144	•	Description	MSR245P
•	–	–	–	•	•	–	–	35	•	Description	MSR310P
•	–	–	–	•	•	–	–	35	•	Description	MSR312P
•	–	–	–	–	–	–	50 mA	17.5	•	Description	MSR320P
•	–	–	–	–	–	–	30...200 mA	17.5	•	Description	MSR329P
•	–	–	–	–	–	6	3	22.5	•	Description	MSR330P
•	–	–	–	–	–	5	3	22.5	•	Description	MSR338DP

Note: Auto./Man. = Automatic/Manual and Mon. Man. = Monitored Manual, and • = included

