

Selection table for safety modules with single function

Product code	Supply voltage	For applications up to			Output contacts			Housing dimensions
		PL	SIL	Safety category	instantaneous	delayed	feedback	
Safety modules for emergency stops and end position monitoring for movable guards								
CS AR-01	24 Vac/dc; 120 Vac; 230 Vac; 10...30 Vdc	e	3	4	2 NO + 1 NC	-	-	22,5 x 114 mm
CS AR-02	24 Vac/dc; 120 Vac; 230 Vac; 10...30 Vdc	e	3	4	3 NO	-	-	22,5 x 114 mm
CS AR-04	24 Vac/dc; 120 Vac; 230 Vac	e	3	4	3 NO + 1 NC	-	-	22,5 x 114 mm
CS AR-05	24 Vac/dc; 120 Vac; 230 Vac	e	3	4	3 NO + 1 NC	-	-	22,5 x 114 mm
CS AR-06	24 Vac/dc; 120 Vac; 230 Vac	e	3	4	3 NO + 1 NC	-	-	22,5 x 114 mm
CS AR-07	24 Vac/dc	e	3	4	4 NO + 1 NC	-	-	22,5 x 129 mm
CS AR-08	12 Vdc, 24 Vac/dc; 120 Vac; 230 Vac	e	3	4	2 NO	-	-	22,5 x 114 mm
CS AR-20	24 Vac/dc; 120 Vac; 230 Vac	e	3	3	2 NO	-	-	22,5 x 114 mm
CS AR-21	24 Vac/dc; 120 Vac; 230 Vac	e	3	3	2 NO	-	-	22,5 x 114 mm
CS AR-22	24 Vac/dc; 120 Vac; 230 Vac	e	3	3	3 NO + 1 NC	-	-	22,5 x 114 mm
CS AR-23	24 Vac/dc; 120 Vac; 230 Vac	e	3	3	3 NO + 1 NC	-	-	22,5 x 114 mm
CS AR-24	24 Vac/dc	e	3	3	4 NO + 1 NC	-	-	22,5 x 114 mm
CS AR-25	24 Vac/dc	e	3	3	4 NO + 1 NC	-	-	22,5 x 114 mm
CS AR-40	24 Vac/dc	d	2	2	2 NO	-	-	22,5 x 91 mm
CS AR-41	24 Vac/dc	d	2	2	2 NO	-	-	22,5 x 91 mm
CS AR-46	24 Vac/dc	c	1	1	1 NO	-	-	22,5 x 91 mm
CS AR-91	24 Vac/dc	e	3	4	2 NO + 1 OPT	-	-	22,5 x 114 mm
Module for emergency stops, end position monitoring for movable guards, safety mats and safety bumpers with 4-wire technology								
CS AR-51	24 Vac/dc	e	3	4	2 NO	-	-	22,5 x 114 mm
Safety modules for emergency stop and end position monitoring for movable guards with delayed contacts upon opening of the inputs								
CS AT-0 ^③	24 Vac/dc; 120 Vac; 230 Vac	e	3	4 (②)	2 NO + 1 NC	2 NO	-	45 x 114 mm
CS AT-1 ^③	24 Vac/dc; 120 Vac; 230 Vac	e	3	4 (②)	3 NO	2 NO	-	45 x 114 mm
CS AT-3 ^③	24 Vac/dc	e	3	4 (②)	2 NO	1 NO	-	45 x 114 mm
Safety timer modules								
CS FS-1 ^③	24 Vac/dc; 120 Vac; 230 Vac	①	①	①	-	1 NO + 2 NC	-	45 x 114 mm
CS FS-2 ^③	24 Vdc; 120 Vac	d	2	3	-	1 NO+1 NC+1 CO	-	45 x 114 mm
CS FS-3 ^③	24 Vdc; 120 Vac	d	2	3	-	1 NO+1 NC+1 CO	-	45 x 114 mm
CS FS-5 ^③	24 Vdc; 120 Vac	d	2	3	-	1 NO+1 NC+1 CO	-	45 x 114 mm
Safety modules for two-hand controls or synchronism monitoring								
CS DM-01	24 Vac/dc; 120 Vac; 230 Vac	III C acc. to EN ISO 13851			3 NO + 1 NC	-	-	22,5 x 114 mm
CS DM-02	24 Vac/dc; 120 Vac; 230 Vac	III C acc. to EN ISO 13851			2 NO	-	-	22,5 x 114 mm
CS DM-20	24 Vac/dc; 120 Vac; 230 Vac	III A acc. to EN ISO 13851			2 NO	-	-	22,5 x 114 mm
Safety modules for motor standstill monitoring								
CS AM-01	24 ... 230 Vac/dc	d	2	3	2 NO + 1 NC	-	-	45 x 114 mm
Expansion modules with instantaneous contacts or delayed contacts at de-energizing								
CS ME-01	24 Vac/dc	①	①	①	5 NO + 1 NC	-	1 NC	22,5 x 114 mm
CS ME-02	24 Vdc	①	①	①	4 NO + 2 NC	-	1 NC	22,5 x 114 mm
CS ME-03	24 Vdc	①	①	①	3 NO	-	1 NC	22,5 x 91 mm
CS ME-20VU24- ^⑤	24 Vdc	①	①	①	-	4 NO + 2 NC	1 NC	22,5 x 114 mm
CS ME-30VU24- ^⑥	24 Vdc	①	①	①	-	4 NO + 2 NC	1 NC	45 x 114 mm
CS ME-31VU24-TS12	24 Vdc	①	①	①	-	4 NO + 2 NC	1 NC	45 x 114 mm
■	Available for this article							
-	Not available for this article							
①	Depending on the base module							
②	Category 4 for instantaneous contacts, category 3 for delayed contacts							
③	Release times for delayed contacts							
0	fixed time							
1	adjustable, 0,3 ... 3 s, 0,3 s steps							
2	adjustable, 1 ... 10 s, 1 s steps							
3	adjustable, 3 ... 30 s, 3 s steps							
4	adjustable, 30 ... 300 s, 30 s steps							
④	Connection type							
V	Screw terminals							
M	Connector with screw terminals							
X	Connector with spring terminals							
⑤	Release time in absence of power supply							
TF0.5	0,5 s fixed time							
TF1	1 s fixed time							
TF2	2 s fixed time							
TF3	3 s fixed time							



Product code	Autom. & manual start	Monitored start	Inputs of opposite potentials	Equipotential inputs	Parallel start (24 Vdc only)	Input type (Z)				Connection type (4)			Page
										V	M	X	
CS AR-01	■	■	■	-	■	■	-	Ⓢ	-	■	■	■	215
CS AR-02	■	■	■	-	■	■	-	Ⓢ	-	■	■	■	217
CS AR-04	■	■	■	-	■	■	-	Ⓢ	-	■	■	■	219
CS AR-05	■	-	■	■	■	■	■	■	-	■	■	■	221
CS AR-06	-	■	■	■	■	■	■	■	-	■	■	■	221
CS AR-07	■	■	■	-	■	■	-	-	-	-	■	■	223
CS AR-08	■	■	■	■	■	■	■	■	-	■	■	■	225
CS AR-20	■	-	-	-	-	■	-	-	-	■	■	■	227
CS AR-21	-	■	-	-	-	■	-	-	-	■	■	■	227
CS AR-22	■	-	-	-	-	■	-	-	-	■	■	■	229
CS AR-23	-	■	-	-	-	■	-	-	-	■	■	■	229
CS AR-24	■	-	-	-	-	■	-	-	-	■	■	■	231
CS AR-25	-	■	-	-	-	■	-	-	-	■	■	■	231
CS AR-40	■	-	-	-	-	■	-	-	-	■	■	■	233
CS AR-41	-	■	-	-	-	■	-	-	-	■	■	■	233
CS AR-46	■	-	■	-	-	■	-	■	-	■	■	■	235
CS AR-91	■	■	■	-	■	■	-	■	-	■	■	■	237
CS AR-51	■	■	■	-	-	■	-	-	■	■	■	■	239
CS AT-0③	■	■	■	■	■	■	■	■	-	■	■	■	241
CS AT-1③	■	■	■	■	■	■	■	■	-	■	■	■	243
CS AT-3③	■	■	■	-	-	■	-	■	-	■	■	■	245
CS FS-1③	-	-	-	-	-	■	-	-	-	■	■	■	247
CS FS-2③	-	-	-	-	-	■	-	-	-	■	■	■	249
CS FS-3③	-	-	-	-	-	■	-	-	-	■	■	■	251
CS FS-5③	■	■	-	■	-	■	-	■	-	■	■	■	253
CS DM-01	-	-	■	-	-	■	-	-	-	■	■	■	255
CS DM-02	-	-	■	-	-	■	-	-	-	■	■	■	257
CS DM-20	-	-	■	-	-	■	-	-	-	■	■	■	259
CS AM-01	-	-	-	-	-	■	-	-	-	■	■	■	261
CS ME-01	-	-	①	①	-	■	-	-	-	■	■	■	263
CS ME-02	-	-	①	①	-	■	-	-	-	■	■	■	265
CS ME-03	-	-	-	■	-	■	■	-	-	■	■	■	267
CS ME-20VU24-⑤	-	-	①	①	-	■	-	-	-	■	■	■	269
CS ME-30VU24-⑥	-	-	①	①	-	■	-	-	-	■	■	■	271
CS ME-31VU24-TS12	-	-	①	①	-	■	-	-	-	■	■	■	271

⑤ Release time in absence of power supply
 TF1 1 s fixed time

 TF12 12 s fixed time

⑦ Input type
 electromechanical contacts
 semiconductor outputs (e.g. light barriers)
 magnetic safety sensors
 4-wire safety mats and safety bumpers

⑧ Modules compatible with magnetic sensors from June 2014