

## Product Selection

## Safety Relays

## Technical Overview



Single Channel	Dual Channel	Safety Output (NO)	Safety Output (NO) (Delayed)	Output Delay	Signal Output (NC)	Feedback Output	Control Voltage	Removable Terminal Blocks	Type of Unit	Catalog Number
■	—	4	—	—	1	—	24 Vac/Vdc	■	Main	ESR5-NO-41-24VAC-DC
■	■	2	—	—	1	—	24 Vac/Vdc	■	Main	ESR5-NO-21-24VAC-DC
■	■	3	—	—	1	—	24 Vac/Vdc	■	Main	ESR5-NO-31-24VAC-DC
■	■	3	—	—	1	—	230 Vac	■	Main	ESR5-NO-31-230VAC
■	■	3	—	—	1	—	24–230 Vac/Vdc	■	Main	ESR5-NO-31-AC-DC
■	■	2	2	0.1–30s	—	—	24 Vdc	■	Main	ESR5-NV3-30
—	■	2	—	—	1	—	24 Vac/Vdc	■	Main	ESR5-NZ-21-24VAC-DC
■	—	5	—	—	1	1	24 Vac/Vdc	■	Expansion	ESR5-NE-51-24VAC-DC
■	—	—	4	0.3–3s	1	1	24 Vdc	■	Expansion	ESR5-VE3-42

## Application Overview

Emergency Stop	Safety Switches	Light Curtain/OSSD ①	Two-Hand Control (EN 574 Type III C)	Contact Expansion	Off-Delayed	Cross Circuit Recognition	Monitored Manual Reset ②	Catalog Number
■	■	—	—	—	—	—	—	ESR5-NO-41-24VAC-DC
■	■	—	—	—	—	■	—	ESR5-NO-21-24VAC-DC
■	■	—	—	—	—	■	—	ESR5-NO-31-24VAC-DC
■	■	—	—	—	—	■	■	ESR5-NO-31-230VAC
■	■	—	—	—	—	■	■	ESR5-NO-31-AC-DC
■	■	■	—	—	■	■	■	ESR5-NV3-30
—	■	—	■	—	—	■	—	ESR5-NZ-21-24VAC-DC
—	—	—	—	■	—	—	—	ESR5-NE-51-24VAC-DC
—	—	—	—	■	■	—	—	ESR5-VE3-42

## Application Overview, continued

Single Channel	Dual Channel	Stop Category EN 60204	Control Category to EN 954-1	Achievable PL per ISO 13849-1	Achievable SIL per EN IEC 62061	Catalog Number
■	—	0	2	PL d	SIL 3	ESR5-NO-41-24VAC-DC
■	■	0	4	PL e	SIL 3	ESR5-NO-21-24VAC-DC
■	■	0	4	PL e	SIL 3	ESR5-NO-31-24VAC-DC
■	■	0	4	PL e	SIL 3	ESR5-NO-31-230VAC
■	■	0	4	PL e	SIL 3	ESR5-NO-31-AC-DC
■	■	0/1	4	PL e	SIL 3	ESR5-NV3-30
—	■	0	4	PL e	SIL 3	ESR5-NZ-21-24VAC-DC
■	—	0	4	PL e	SIL 3	ESR5-NE-51-24VAC-DC
■	—	1	3	PL d	SIL 2	ESR5-VE3-42

## Notes

① Laser scanners or light curtains with OSSD outputs.

② All main units can also be reset automatically or manually.