



			ESR4-NO-30	ESR4-NO-31	ESR4-NO-21	ESR4-NV3(30)-30	ESR4-NZ-21	ESR4-NE-42	ESR4-VE3-42
General									
Standards			IEC/EN 60947, VDE 0660, IEC/EN 60255, UL, CSA, EN 954-1						
Lifespan, mechanical	Operations	$\times 10^6$	1	10	10	10	10	10	10
Maximum operating frequency									
Max. operating frequency		Ops/h	3600	3600	3600	3600	3600	3600	3600
Climatic proofing			Cold to: EN 60068-2-1, dry heat to: EN 60068-2-2, temperature change to: EN 60068-2-14, Damp heat to: EN 60068-2-30						
Ambient temperature		°C	-25...55	-25...55	-25...55	-25...55	-25...55	-25...55	-25...55
Ambient temperature, storage		°C	-25...75	-25...75	-25...75	-25...75	-25...75	-25...75	-25...75
Mounting position			As required	As required	As required	As required	As required	As required	As required
Vibration resistance		g	5, to IEC/EN 60068-2-6; frequency: 10 – 55 Hz, amplitude: 0.35 mm						
Degree of protection									
Enclosures			IP40	IP40	IP40	IP40	IP40	IP40	IP40
Terminals			IP 20	IP 20	IP 20	IP 20	IP 20	IP 20	IP 20
Protection against direct contact when actuated from front (IEC 536)			Finger- and back-of-hand proof						
Weight		kg	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Terminal capacities									
Solid core or stranded		mm ²	1 $\times$ (0.14 – 2.5) 2 $\times$ (0.14 – 0.75)						
Flexible with ferrule		mm ²	1 $\times$ (0.25 – 2.5) 2 $\times$ (0.25 – 0.5)						
Solid or stranded		AWG	18...16	18...16	18...16	18...16	18...16	18...16	18...16
Terminal screw									
Pozidriv screwdriver		Size	2	2	2	2	2	2	2
Standard screwdriver		mm	0.6 $\times$ 3.5	0.6 $\times$ 3.5	0.6 $\times$ 3.5	0.6 $\times$ 3.5	0.6 $\times$ 3.5	0.6 $\times$ 3.5	0.6 $\times$ 3.5
Max. tightening torque		Nm	0.6	0.6	0.6	0.6	0.6	0.6	0.6
Main conducting paths									
Rated impulse withstand voltage	U_{imp}	V AC	4000	4000	4000	4000	4000	4000	4000
Overvoltage category/pollution degree									
outside			III/3	III/3	III/3	III/3	III/3	III/3	III/3
inside			III/2	III/2	III/2	III/2	III/2	III/2	III/2
Rated insulation voltage	U_i	V AC	300	300	300	300	300	300	300
Rated operational voltage	U_e	V AC	230	230	230	230	230	230	230
Rated operational current									
AC-15									
230 V (360 ops./h)	I_e	A	4	4	4	–	4	–	–
230 V (3600 ops./h)	I_e	A	3	3	3	4	3	6	6
DC-13									
24 V (360 Ops./h)	I_e	A	4	4	4	5	4	6	6
24 V (3600 Ops./h)	I_e	A	2.5	2.5	2.5	–	2.5	3	3
Max. summation current of all poles									
24 V AC/DC devices		A	12	12	12	12	12	12	12
115 ... 120 V AC devices		A	–	8	–	–	–	–	–
230 V AC devices		A	8	–	–	–	–	–	–
Short-circuit protection									
max. fuse		A gG/gL	6	6	6	6	6	6	6