

				DILET-A	DILET-W	ETR4-A	ETR4-W	ETR2
General								
Standards				IEC/EN 60947, VDE 0660, UL, CSA IEC/EN 60255, VDE 0435				IEC/EN 61812, VDE 0435
Lifespan, mechanical								
AC operated	Operations	$\times 10^6$		30	30	30	30	30
DC operated	Operations	$\times 10^6$		30	30	30	30	30
Climatic proofing				Damp heat, constant, to IEC 60068-2-78; Damp heat, cyclical, to IEC 60068-2-30				
Ambient temperature								
Storage		°C		–	–	45...60	45...60	40...85
Open		°C		–20...60	–20...60	–25...60	–25...60	–20...60
Enclosed		°C		–20...45	–20...45	–25...45	–25...45	–20...60
Mounting position				As required	As required	As required	As required	As required
Mechanical shock resistance (IEC/EN 60068-2-27)								
Half-sinusoidal shock, 20 ms								
Make contact		g		4	4	4	4	4
Degree of protection								
Terminals				IP 20	IP 20	IP 20	IP 20	IP 20
Weight		kg		0.09	0.09	0.1	0.1	0.05
Terminal capacities								
Solid		mm ²		1 × (0.75 – 2.5) 2 × (0.75 – 2.5)	1 × (0.75 – 2.5) 2 × (0.75 – 2.5)	1 × (0.75 – 2.5) 2 × (0.75 – 1.5)	1 × (0.75 – 2.5) 2 × (0.75 – 1.5)	1 × (0.75 – 2.5) 2 × (0.75 – 1.5)
Flexible with ferrule		mm ²		1 × (0.75 – 1.5) 2 × (0.75 – 1.5)	1 × (0.75 – 1.5) 2 × (0.75 – 1.5)	1 × (0.75 – 2.5) 2 × (0.75 – 1.5)	1 × (0.75 – 2.5) 2 × (0.75 – 1.5)	1 × (0.75 – 2.5) 2 × (0.75 – 1.5)
Solid or stranded		AWG		1 × (18 – 14)	1 × (18 – 14)	1 × (20 – 14)	1 × (20 – 14)	1 × (20 – 14)
Contacts								
Rated impulse withstand voltage	U_{imp}	V AC		6000	6000	6000	6000	4000
Overvoltage category/pollution degree				III/2	III/2	III/3	III/3	III/3
Rated insulation voltage	U_i	V AC		600	600	600	600	300
Rated operational voltage	U_e	V AC		440	440	440	440	250
Safe isolation to VDE 0106 Part 101 and Part 101/A1								
between coil and auxiliary contacts		V AC		250	250	250	250	–
between the auxiliary contacts		V AC		250	250	250	250	–
Making capacity								
AC-14 $\cos \varphi = 0.3$ 440 V		A		48	48	48	48	–
AC-15 $\cos \varphi = 0.3$ 220 V		A		50	50	50	50	30
DC-11 L/R – 40 ms		$\times I_e$		1.1	1.1	1.1	1.1	–
Breaking capacity								
AC-14 $\cos \varphi = 0.3$ 440 V		A		3	3	3	3	–
AC-15 $\cos \varphi = 0.3$ 220 V		A		3	3	3	3	–
DC-11 L/R – 40 ms		$\times I_e$		1.1	1.1	1.1	1.1	1.1
Rated operational current								
AC-14 440 V	I_e	A		3	3	3	3	–
AC-15 220 V	I_e	A		3	3	3	3	3
AC12 AC-12 at 230 V	I_e	A		–	–	–	–	4
DC12	I_e	A		–	–	–	–	6
DC-13 24 V	I_e	A		–	–	–	–	2
DC-11 ¹⁾ L/R max. 15 ms								
24 V	I_e	A		1.5	1.5	1.5	1.5	–
L/R max. 50 ms		A		1.2	1.2	1.2	1.2	–
Conv. thermal current	I_{th}	A		6	6	6	6	6
Short-circuit rating without welding ²⁾								
Max. fuse, make contacts		A gG/ gL		6	6	6	6	10
Max. fuse, break contacts		A gG/ gL		6	6	6	6	6
max. overcurrent protective device, 220/ 230 V		Type		–	–	FAZ-B4/1-HI	FAZ-B4/1-HI	–

Notes¹⁾ Making and breaking conditions to DC-13, time constant as stated²⁾ When supplied directly from mains or transformer > 1000 VA