

Type: **E01**  
 Article No.: **090401**  
 Sales text **1 CONTACT**

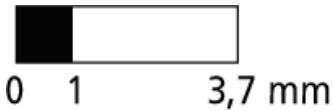


Admissible operational voltage: 5 – 250 V

**Ordering information**

Auxiliary contacts: = safety function, by positive opening to IEC/EN 60947–5–1			
N/C = Normally closed			1 B
Colour			red

**Contact diagram**



**Colour**



**Notes concerning the table header**

The graphic symbol has the following meaning:



x = sequence number on front element

y = function number on contact element

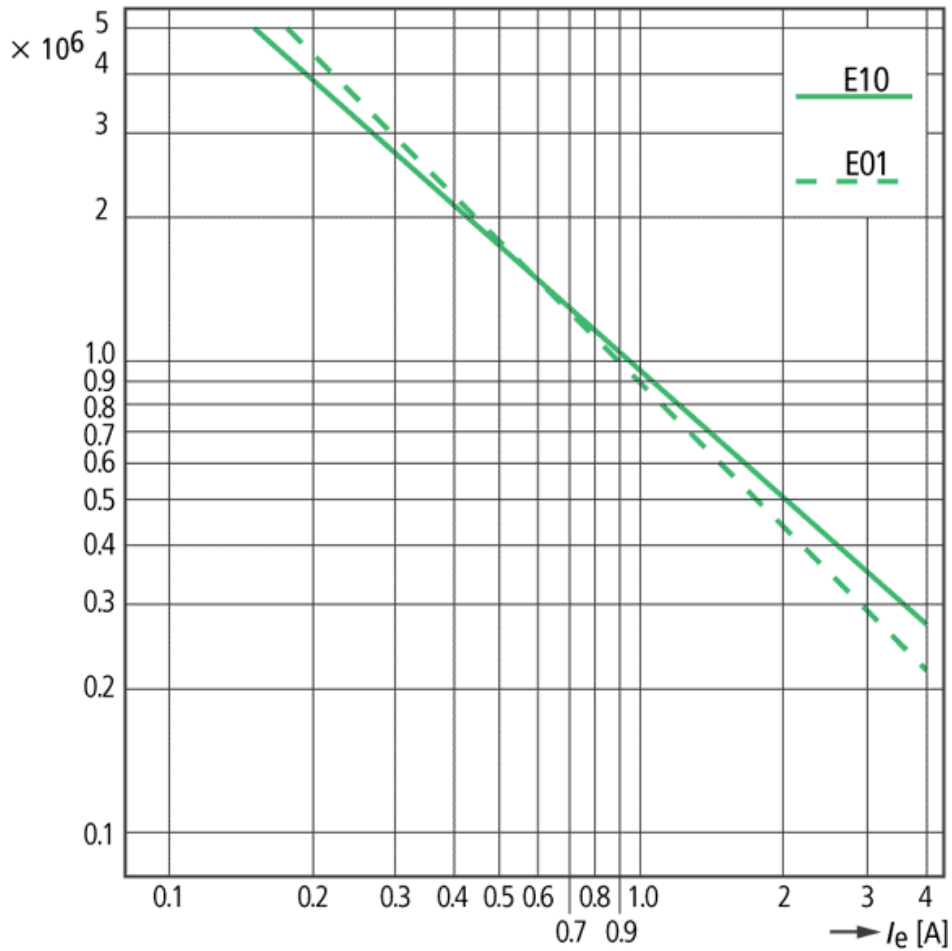
**General**

Standards			IEC/EN 60947
Lifespan, mechanical	Operations	$\times 10^6$	> 100
Operating frequency	Operations/h		3600
Actuating force		n	3
Degree of protection, IEC/EN 60529			IP20 with ISH2,8

Climatic proofing			Damp heat, constant, to IEC 60068–2–78, cyclical, to IEC 60068–2–30
Ambient temperature			
Open		°C	–25...60
Enclosed		°C	–25...40
Mounting position			As required
Mechanical shock resistance to IEC 60068–2–27 Shock duration 11 ms, half-sinusoidal		g	> 40
Terminal capacities		mm <sup>2</sup>	0.5 – 1.0
Blade terminal			2.8 × 0.8 mm to DIN 46244
Fast-on connectors			2.8 × 0.8 mm to DIN 46247 and IEC 60760
<b>Contacts</b>			
Rated impulse withstand voltage	$U_{imp}$	V AC	4000
Rated insulation voltage	$U_i$	V	250
Overtoltage category/pollution degree			III/3
Rated operational voltage	$U_e$	V AC	250
Control circuit reliability			
at 24 V DC/5 mA	$H_F$	Fault probability	$< 10^{-7}$ , < 1 fault in 10 <sup>7</sup> operations
at 5 V DC/1 mA	$H_F$	Fault probability	$< 5 \times 10^{-6}$ , < 1 fault in 5 × 10 <sup>6</sup> operations
Use of insulated ferrule ISH 2,8			>24 V AC/DC recommended >50 V AC or 120 V DC is mandatory, even on unused blade terminals
Max. short-circuit protective device			
Fuseless		Type	FAZ–B6/1
Fuse	gG/gL	A	10
<b>Switching capacity</b>			
Rated operational current			
AC–15			
24 V	$I_e$	A	4
48 V	$I_e$	A	4
110 V	$I_e$	A	4
230 V	$I_e$	A	4
DC–13			

24 V	$I_e$	A	3
42 V	$I_e$	A	1
60 V	$I_e$	A	0,8
110 V	$I_e$	A	0,5
220 V	$I_e$	A	0,2

**Lifespan, electrical AC-15 to IEC/EN 60947-5-1 at 230 V;  $I_e$  = rated operational current**



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