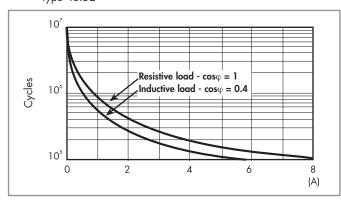


Technical data

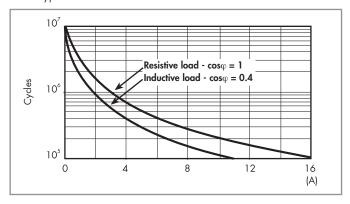
		1 pole			2 pole	
ominal voltage of supply system V AC		230/400		230/400	<u> </u>	
Rated insulation voltage V A		250	400	250	400	
Pollution degree		3	2	3	2	
Insulation between coil and conto	act set		'	'	'	
Type of insulation		Reinforced (8 mm)		Reinforced (8	Reinforced (8 mm)	
Overvoltage category		III		III	III	
Rated impulse voltage	kV (1.2/50 μs)	6		6	6	
Dielectric strength	V AC	4,000		4,000	4,000	
Insulation between adjacent cont	acts			·		
Type of insulation		_		Basic		
Overvoltage category		_		III	III	
Rated impulse voltage	kV (1.2/50 μs)	_		4		
Dielectric strength	V AC	_		2,000		
Insulation between open contacts	•					
Type of disconnection		Micro-disconnection		Micro-discon	Micro-disconnection	
Dielectric strength V AC/kV (1.2/50 μs)		1,000/1.5		1,000/1.5	1,000/1.5	
Conducted disturbance immunity				,		
Burst (550)ns, 5 kHz, on A1 - A2			EN 61000-4-4		level 4 (4 kV)	
Surge (1.2/50 µs) on A1 - A2 (differential mode)			EN 61000-4-5		level 3 (2 kV)	
Other data			46.61		46.52	
Bounce time: NO/NC ms			2/6 1/4			
Vibration resistance (10150)Hz: NO/NC g			20/12 20/15			
Shock resistance g			20 20			
Power lost to the environment	without contact current W	0.6		0.6	0.6	
	with rated current W	1.6 2				
Recommended distance between	≥ 5					

Contact specification

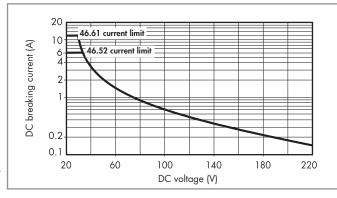
F 46 - Electrical life (AC) v contact current Type 46.52



F 46 - Electrical life (AC) v contact current Type 46.61



H 46 - Maximum DC1 breaking capacity



- When switching a resistive load (DC1) having voltage and current values under the curve, an electrical life of $\geq 100 \cdot 10^3$ can be expected.
- In the case of DC13 loads, the connection of a diode in parallel with the load will permit a similar electrical life as for a DC1 load.

 Note: the release time for the load will be increased.



Coil specifications

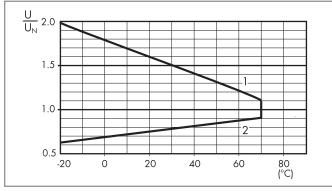
DC coil data

Nominal	Coil	Operating range		Resistance	Rated coil	
voltage	code				consumption	
U_N		U_{min}	U _{max}	R	I at U _N	
V		V	V	Ω	mA	
12	9 .012	8.8	13.2	300	40	
24	9 .024	17.5	26.4	1,200	20	
48	9 .048	35	52.8	4,800	10	
110	9 .110	80	121	23,500	4.7	
125	9 .125	91.2	138	32,000	3.9	

AC coil data

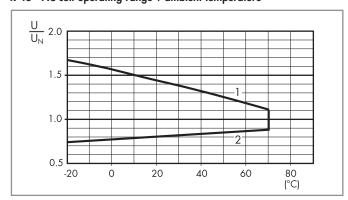
Nominal	Coil	Operating range		Resistance	Rated coil
voltage	code				consumption
U _N		U _{min}	U _{max}	R	I at U _N
V		V	V	Ω	mA
12	8 .012	9.6	13.2	80	90
24	8 .024	19.2	26.4	320	45
48	8 .048	38.4	52.8	1,350	21
110	8 .110	88	121	6,900	9.4
120	8 .120	96	132	9,000	8.4
230	8 .230	184	253	28,000	5
240	8 .240	192	264	31,500	4.1

R 46 - DC coil operating range v ambient temperature



- 1 Max. permitted coil voltage.
- 2 Min. pick-up voltage with coil at ambient temperature.

R 46 - AC coil operating range v ambient temperature



046.05

046.07

- 1 Max. permitted coil voltage.
- 2 Min. pick-up voltage with coil at ambient temperature.

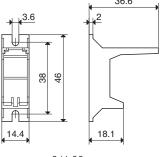
Accessories



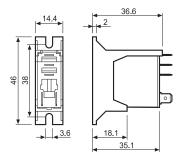


046.05 with relay

Flange mount adaptor for relays types 46.52 and 46.61



046.05

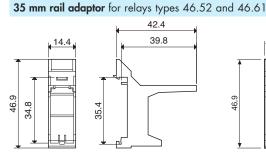


046.05 with relay

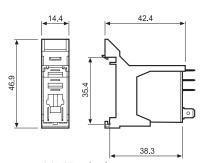




046.07 with relay



Sheet of marker tags for relays types 46.52 and 46.61 (72 tags), 6x12mm





060.72

060.72