

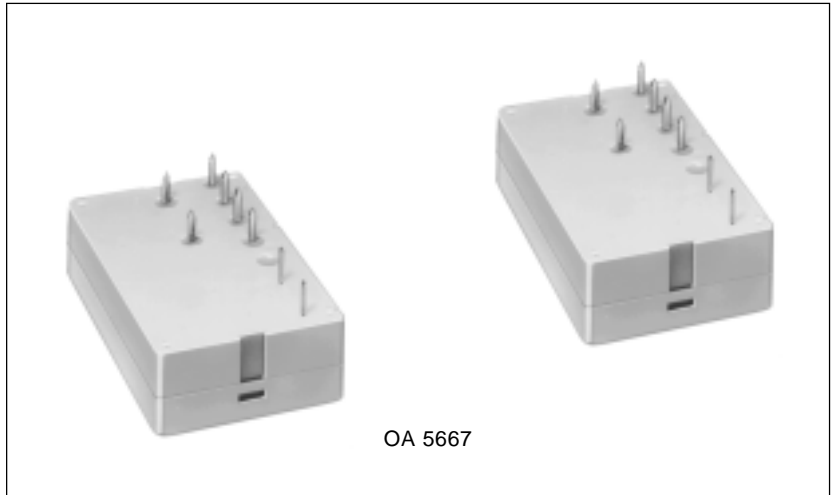
Safety relay

OA 5667

- according to EN 50 205, IEC/EN 60 255, IEC 60 664-1
- with positively driven contacts
- Clearance and creepage distances contact-coil ≥ 8 mm
- low rated power consumption
- high mechanical service life
- compact size, small height
- Approvals: TÜV, UL, CSA

Applications:

ZH1/457 press controls
Switchgear for safety applications



Technical data

Relay type		OA 5667
1. 0 Relay coil		
1. 1 Nominal voltage	DC V	6, 12, 24, 48, 60, 110
1. 2 Nominal consumption	W	0,75
2. 0 Contacts		
2. 1 Contact arrangement	2 changeover contacts / 1 NO, 1 NC	
2. 2 Contact material	AgCdO + 0,2 μ m Au; AgNi 10 + 0,2 μ m Au optionally + 5 μ m Au	
2. 3 Rated insulation voltage	AC V	250
Switching voltage min./max.	V	AC/DC 10 / DC 250, AC 400 (AC/DC 100 mV / 60 V) ¹⁾
2. 4 Limiting continuous current I_{th}	A	2 x 6 (see operating voltage limit curve)
Switching current min./max.	A	10 mA ³⁾ / 6 (1 mA / 0,3 A) ¹⁾
2. 5 Switching power min./max.	VA	3 / 1 500 (1 mVA / 7 VA) ¹⁾
Switching power min./max.	W	3 / 200 (1 mW / 7 W) ¹⁾ (s. limit curve for arc-free operation)
2. 6 Switching capacity		
to IEC/EN 60 947-5-1 AC 15	AC V/A	NC: 230 / 2 NO: 230 / 3
DC 13	DC V/A	NC: 24 / 2 NO: 24 / 4
2. 7 Electrical life	at 1 s On, 1 s Off (see contacts service life)	
to AC 230 V 6 A $\cos \varphi = 1$	switching cycles	$> 10^5$ AgNi 10 $> 1,25 \times 10^5$ AgCdO
2. 8 Switching frequency max.	10 / s	
2. 9 Response time / Release time	ms	typically 10 / typically 6
2.10 Contact force NO / NC	cN	$\geq 20 / \geq 8$
2.14 Contact gap	mm	$> 0,5$ ²⁾
3. 0 Other		
3. 1 Mechanical life	switching cycles	$\geq 10^7$
3. 2 Temperature range	$^{\circ}$ C	- 25 ... + 70
3. 3 Degree of protection, housing	IP40 IEC/EN 60 529	
3. 4 Housing	Thermoplast	
3. 5 Vibration resistance	10 ... 200 Hz; 0,35 mm amplitude; 5 g max. IEC/EN 60 068-2-6	
3. 6 Climate resistance	25 / 070 / 04 (climate category); A/B/D IEC/EN 60 068-2-6	
<p>¹⁾ Values for AgNi 10-Kontakte + 5 μm Au ²⁾ over entire service life, even when under fault and at $1,3 \times U_N$ ³⁾ Typical values</p>		

All technical data in this list relate to the state at the moment of edition.
We reserve the right for technical improvements and changes at any time.

