

Technical Data

3.8	Insulation acc. to IEC 60664-1			
	Rated insulation voltage	AC V		250
	Pollution degree			3
	Overtoltage category			III
	Test voltage			
	Contact-coil (1 min)	AC kV eff.		≥ 4
	Clearance and creepage distances			
	Contact- Coil	mm		≥ 8 IEC/EN 60730, IEC/EN 60335
3.9	Weight	g		4
4.0 Packing				
4.1	on cardboard	piece		100
4.2	in case package	piece		800
5.0 Solder method				
5.1	Solder method /-temperature /-duration	°C / s		Wafer soldering / 260 / 5

Design Versions

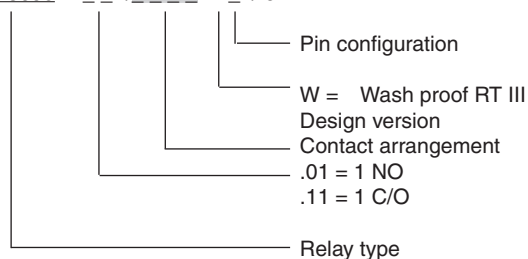
Standard variant for switching current max. I = 5 A				
U _N V =	Resistance at 20°C Ω ± 10%		OA 5690 AgNi + 0,3 μm Au	
	1 S	1 W	.01/	.11/
4,5	155	78	5461	5441
6	315	155	5462	5442
12	1070	600	5463	5443
20	2960	1600	5464	5444
24	4300	2400	5465	5445
48	-	9200	-	5446

Standard variant for switching current max. I = 10 A				
U _N V =	Resistance at 20°C Ω ± 10%		OA 5690 AgSnO ₂ + 0,3 μm Au	
	1 S	1 W	.01/	.11/
4,5	130	78	5421	5401
6	225	130	5422	5402
12	900	510	5423	5403
20	2 400	1 450	5424	5404
24	3 600	2 050	5425	5405
48	-	6 560	-	5406

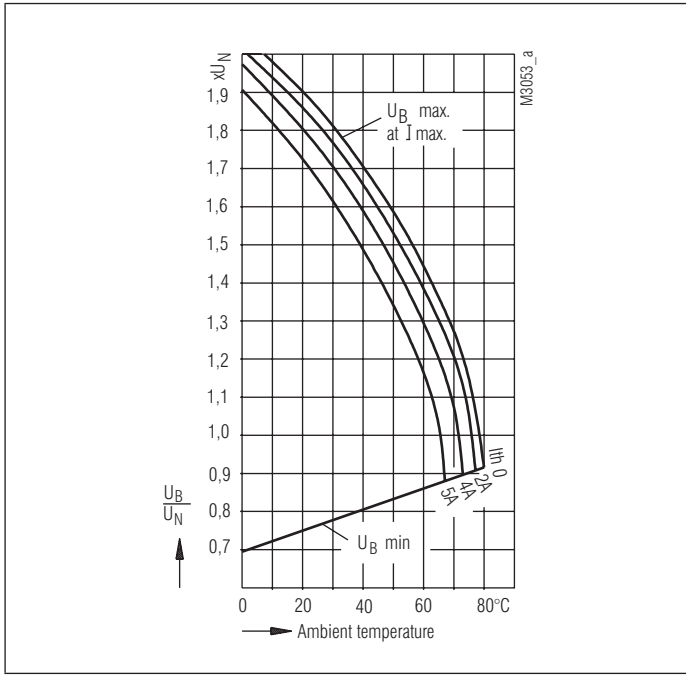
Standard variant with goldplated contacts				
U _N V =	Resistance at 20°C Ω ± 10%		OA 5690 AgNi + 5 μm Au	
	1 S	1 W	.01/	.11/
4,5	155	78	5511	5491
6	315	155	5512	5492
12	1070	600	5513	5493
20	2960	1600	5514	5494
24	4300	2400	5515	5495
48	-	9200	-	5496

Ordering Example

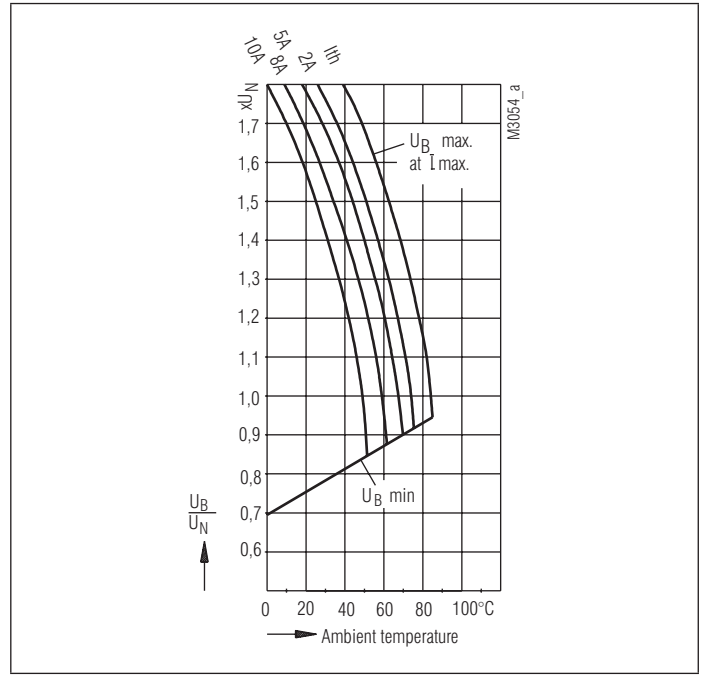
OA 5690 . . . / . . . W_ / 61*)



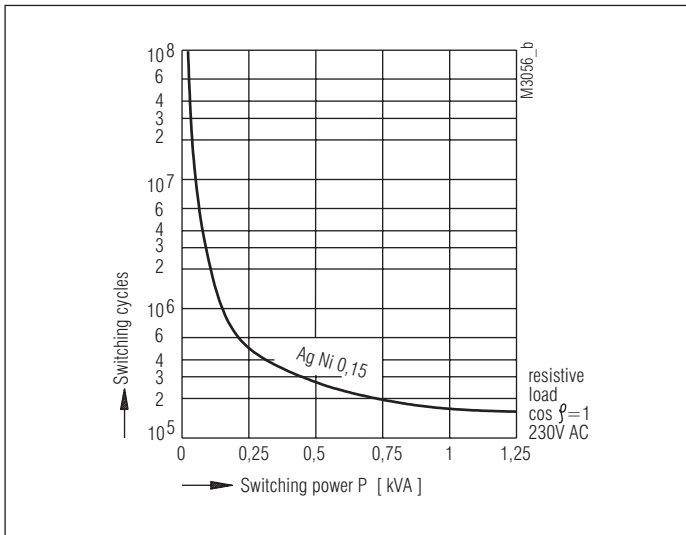
*) /61 cURus approval



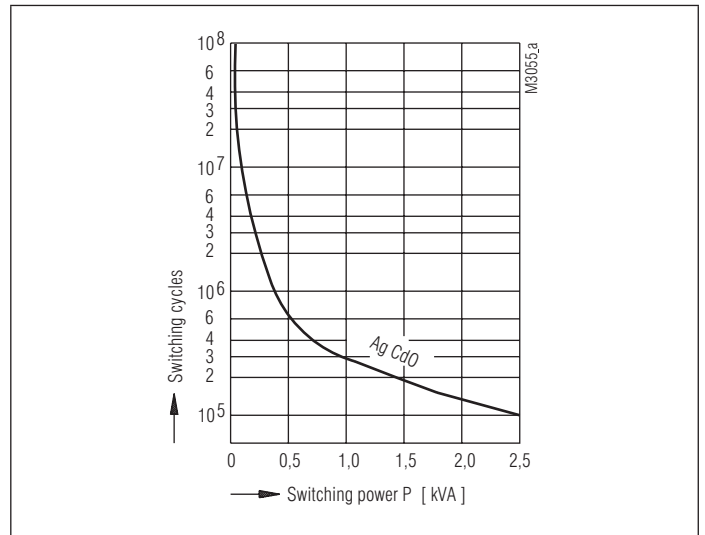
Operating voltage limit curve
OA 5690.11 5 A - model



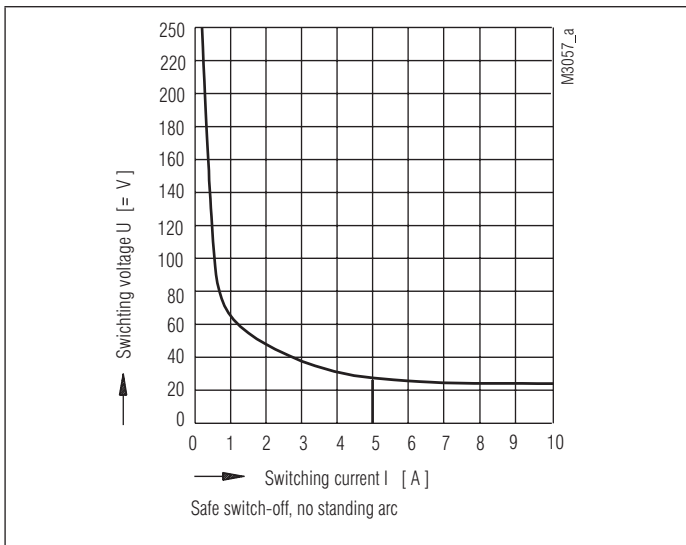
Operating voltage limit curve
OA 5690.11 10 A - model



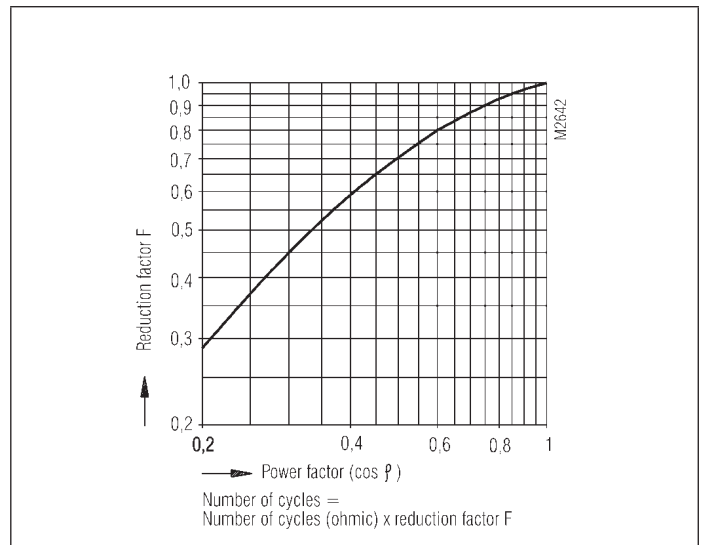
Contact service life OA 5690.11 5 A - model



Contact service life OA 5690.11 10 A - model



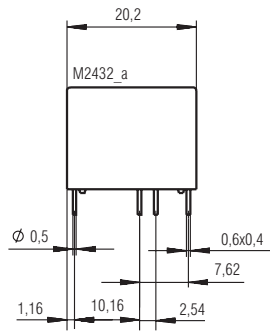
Limit curve for arc-free operation



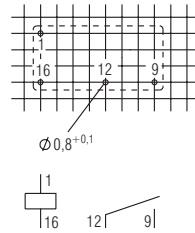
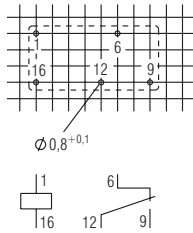
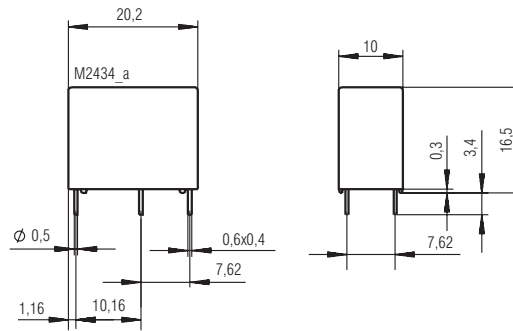
Reduction factor for inductive loads

Drilling plan (solder side)
Pin variant 1, pin compatible to OW 5699

OA 5690.11 / _____ 1

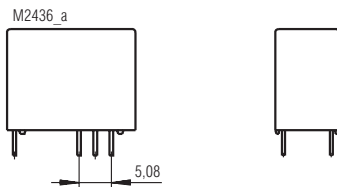


OA 5690.01 / _____ 1

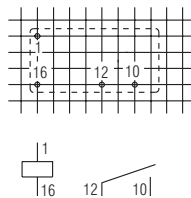
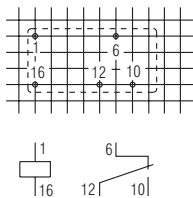
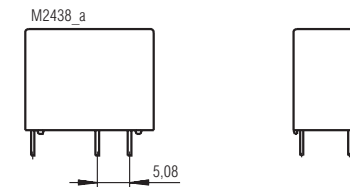


Pin variant 2, pin compatible to OW 5691

OA 5690.11 / _____ 2

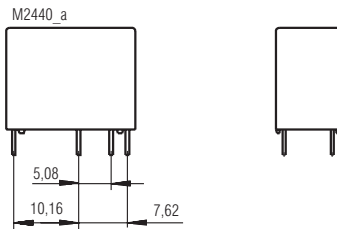


OA 5690.01 / _____ 2

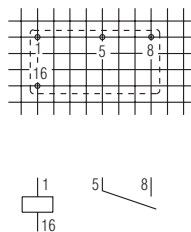
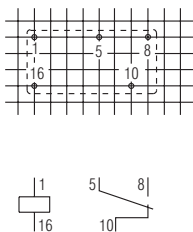
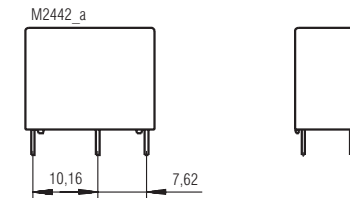


Pin variant 3, pin compatible to various competitors relays

OA 5690.11 / _____ 3



OA 5690.01 / _____ 3



Connections for basic grid dimensions 2,5 mm as well as 2,54 mm according to IEC/EN 60 097 and IEC 60 326 average.
Pin distance tolerance measured at the pin ends ± 0.3 mm. Dimensions are valid for untinned state.