

## Technical specifications

Data acc. to EN 60730			<b>7LQ2 100-1</b>
<b>Rated control voltage <math>U_c</math></b>		V AC	230
<b>Operating range <math>\times U_c</math></b>	at 50/60 Hz		0.8 ... 1.2
<b>Rated frequency</b>		Hz	48 ... 62
<b>Measuring ranges, setting ranges</b>		Lux	2 ... 500
<b>Time delay</b>	non-adjustable	s	75 ± 25
	adjustable		--
<b>Contacts</b>	μ contact		1 NO contact
<b>Contact switching</b>	closes with approaching darkness	Terminals	3/4
<b>Status indication, LED</b>	switching status		instantaneous
	indication		green
	switching state OFF switching state ON		red
<b>Rated operational voltage <math>U_e</math></b>		V AC	250
<b>Rated operational current <math>I_s</math></b>	at p.f. = 1	A	16
	at p.f. = 0.4	A	4
<b>Incandescent lamp rating</b>		W	2 000
<b>Different phases</b>	actuator/contact		yes
	permissible contact/contact		--
<b>Electrical isolation</b>	creepage and clearances		
	actuator/contact	mm	4
	contact/contact	mm	--
<b>Rated impulse withstand voltage <math>U_{imp}</math> 1.2/50 μs</b>	actuator/contact	kV	> 2.5
	contact/contact	kV	--
<b>Minimum contact load</b>		V; mA	10; 100
<b>Terminals</b>	± screw (Pozidriv)		1
<b>Conductor cross-sections</b>	rigid	mm <sup>2</sup>	1.5 ... 6
	flexible with sleeve	min. mm <sup>2</sup>	0.75
<b>Permissible ambient temperature</b>	device	°C	-10 ... +55
	light sensor	°C	-30 ... +70
<b>Permissible humidity</b>	device	%	< 80
	light sensor	%	< 98
<b>Resistance to climate</b>	acc. to DIN 50016		
<b>Degree of protection</b>	acc. to EN 60529		
	device		IP20
	light sensor		IP55
<b>Safety class</b>	acc. to EN 61010		II