

<b>Ripple</b>	$\pm 5 V_{pp}^{2)}$
<b>Power consumption</b>	$\leq 20 \text{ mA}$
<b>Output type</b>	PNP
<b>Switching mode</b>	Light/dark switching
<b>Switching mode selector</b>	Selectable via light/dark selector
<b>Output current <math>I_{max}</math>.</b>	$\leq 100 \text{ mA}$
<b>Response time</b>	$\leq 500 \mu\text{s}^{3)}$
<b>Switching frequency</b>	$1,000 \text{ Hz}^{4)}$
<b>Connection type</b>	Male connector M12, 4-pin
<b>Circuit protection</b>	A <sup>5)</sup> B <sup>6)</sup> C <sup>7)</sup> D <sup>8)</sup>
<b>Protection class</b>	III
<b>Weight</b>	35 g
<b>Polarisation filter</b>	✓
<b>Housing material</b>	Plastic, ABS/PMMA
<b>Enclosure rating</b>	IP67
<b>Items supplied</b>	Mounting bracket BEF-G10DC01, Reflector P250
<b>EMC</b>	EN 60947-5-2
<b>Ambient operating temperature</b>	$-30 \text{ }^\circ\text{C} \dots +60 \text{ }^\circ\text{C}$
<b>Ambient storage temperature</b>	$-40 \text{ }^\circ\text{C} \dots +70 \text{ }^\circ\text{C}$
<b>UL File No.</b>	NRKH.E348498 & NRKH7.E348498
<b>More standards</b>	UL325 <sup>9)</sup>

<sup>1)</sup> Limit values when operated in short-circuit protected network: max. 8 A.

<sup>2)</sup> May not exceed or fall below  $U_V$  tolerances.

<sup>3)</sup> Signal transit time with resistive load.

<sup>4)</sup> With light/dark ratio 1:1.

<sup>5)</sup> A =  $V_S$  connections reverse-polarity protected.

<sup>6)</sup> B = inputs and output reverse-polarity protected.

<sup>7)</sup> C = interference suppression.

<sup>8)</sup> D = outputs overcurrent and short-circuit protected.

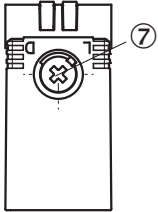
<sup>9)</sup> Complies with the UL325 standard when used with sturdy protection hood (e.g. BEF-G10WSG, 2071960).

## Classifications

<b>ECI@ss 5.0</b>	27270902
<b>ECI@ss 5.1.4</b>	27270902
<b>ECI@ss 6.0</b>	27270902
<b>ECI@ss 6.2</b>	27270902
<b>ECI@ss 7.0</b>	27270902
<b>ECI@ss 8.0</b>	27270902
<b>ECI@ss 8.1</b>	27270902
<b>ECI@ss 9.0</b>	27270902
<b>ETIM 5.0</b>	EC002717

<b>ETIM 6.0</b>	EC002717
<b>UNSPSC 16.0901</b>	39121528

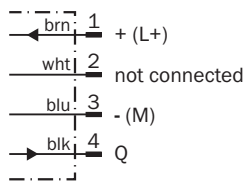
## Adjustments possible



⑦ Light/dark selector

## Connection diagram

Cd-066



## Characteristic curve

GL10

Operating reserve

