

Photocell CELxcel PLUS

CEX3000 range

Overview

CELxcel Plus range of photocells are designed and manufactured by Charles Endirect Ltd and come with a **12 Year Warranty**.

Using the same high quality components and materials as our Standard and Low Power ranges, the CEX3000 photocell Plus range offers a lower power supply consumption than our Standard photocell and comes with a longer warranty. It is part of our growing family of photocells aimed to give solutions to suit different customer needs. Housings are available in two, robust, low-profile designs, NEMA and Conduit.

CELxcel Plus NEMA photocell

The NEMA photocell comes in a high impact UV resistant acrylic housing with ABS (Acrylonitrile Butadiene Styrene) base which gives a long service life and is designed to IP68 giving excellent protection against the elements. Siting the photocell externally protects it from the heat of the luminaire thus guarding against potential damage to the internal components so prolonging service life. It also offers more protection by covering the top of the connection itself. The NEMA photocell is simple to install with its push, twist and lock design which provides a reliable power connection and seal. The quick method of installation allows for easy changes and upgrades to be made if required.

CELxcel Plus CONDUIT photocell

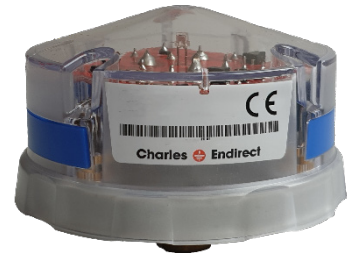
Charles Endirect have developed a 20mm conduit housing as an innovative solution for use where mounting via a 20mm hole is desired. The conduit housing has been inspired by changing luminaire design, the need for longer service life and for ease of maintenance whilst retaining the ingress protection integrity of the luminaires.

This alternative to the traditional “mini cell” is a pioneering design. By siting the photocell externally, as opposed to a “mini cell” which sits internally, it protects it from the heat of the luminaire, and as with the NEMA, it also offers more protection against the elements by covering the top of the connection.

CELxcel Plus photocell features:

- ✓ NEMA and Conduit options
- ✓ Housing material is high impact UV resistance Acrylic with ABS base
- ✓ Enclosure protection designed to IP68
- ✓ Power supply consumption ≤ 0.25 Watts
- ✓ Switching options of dusk to dawn and part night
- ✓ Various operating levels available
- ✓ Colour band for identification
- ✓ 12-year standard warranty

Charles Endirect **Control** Products



Colour band, different options available



NEMA fitting



20mm conduit fitting

Technical Information	NEMA	Conduit
Electrical:		
Rated operational voltage (Ue)	195V - 265V ac	195V - 265V ac
Rated frequency (f)	50 / 60 Hz	50 / 60 Hz
Rated power consumption	≤ 0.25 watts	≤ 0.25 watts
UMSUG Code	9400010000100	9400010000100
Rated switching load current	7A	7A
Rated switching load watts	2 x 250 or 1 x 400 watts	2 x 250 or 1 x 400 watts
Surge protection	120 joules	120 joules
Rated insulation voltage (Ui)	500V ac	500V ac
Mechanical:		
Housing	High impact UV resistant Acrylic with ABS base	High impact UV resistant Acrylic with ABS base
Connection	NEMA socket	Conduit 20mm hole
Ingress protection	IP68	IP68
Impact rating	IK04	IK04
Dimensions	D 82mm x H 45mm	D 82mm x H 45mm
Weight	NEMA 97g	Conduit 120g
Demarcation band	Standard and customer specific colours available	Standard and customer specific colours available
Normal Service Conditions:		
Ambient air temperature for operation	-20 °C to +70 °C (-4 °F to +158 °F)	-20 °C to +70 °C (-4 °F to +158 °F)
Altitude	< 2000m	< 2000m
Humidity	95 % @ 55 °C	95 % @ 55 °C
Pollution degree	3	3
Pre-wired (conduit version only):		
Brown (Live 230V ac)	n/a	BS6231, 0.75mm ² , 500mm long
Blue (Neutral 230V ac)	n/a	BS6231, 0.75mm ² , 500mm long
Red (Switch Load 230V ac)	n/a	BS6231, 0.75mm ² , 500mm long
UK Regulations		
Electrical Equipment (Safety) Regulations 2016 No. 1011	Yes	Yes
Electromagnetic Compatibility Regulations 2016 No. 1091	Yes	Yes
The Restriction of the Use of Certain Hazardous Substances - in Electrical & Electronic Equipment Regulations 2012 No. 3032	Yes	Yes
EU Directives:		
LVD 2014/35/EU	Yes	Yes
EMC 2014/30/EU	Yes	Yes
RoHS 2011/65/EU	Yes	Yes
Standards:		
BS 5972	Yes	Yes
Related Documents:		
Declaration of Conformity	Yes	Yes
Stock Codes & Descriptions:		
CEX3001	20 Lux/1:1/NEMA/Dusk - Dawn	On application
CEX3050	35 Lux/1:1/ NEMA/Dusk - Dawn	
CEX3060	35 Lux/1:0.5/ NEMA/00:00-06:00	

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