

FEATURES & SPECIFICATIONS

INTENDED USE

The OnePass Circuit Selector (OCS), Cord Unselectable (OCU), and Drop Cable (OD) are plug-in connections for industrial fixtures. The OD, OCU and OCS can be prewired by fixture manufacturer or field installed. In addition to industrial applications, the OD also allows miscellaneous devices such as exits, emergency units, convenience power, access floor systems and commercial lighting applications to become part of the OnePass system to be field installed by the contractor.

The OCU should be used when applications require:

- 5 conductors are required to drop to lighting fixtures.
- A "TAP22N" or "TAP122N" option is required to drop to lighting fixture.
- A "TAP34" is required for circuit two in a 208V, 240V or 480V 2 circuit design.

ELECTRICAL

- Rated for use on 20-amp branch circuits.
- 18 AWG rubberized cord rated for 600V, 105°C temperature containing a fully rated ground conductor.
- The OCS molded circuit identifier denotes position of each conductor.
- Safety-keying prevents accidental mating of components with different voltages.
- The OD conductors are 12AWG and 18AWG copper conductors with -20°C to +90°C thermoplastic insulation rated 600V.
- C12S option includes three 12AWG or 18AWG conductors and two 18AWG shielded conductors for controls wiring. (-20°C to +90°C)

SYSTEM FEATURES

- Pin and socket contacts.
- Color-coded labels for quick voltage identification.
- EXT option enables OD's to be installed in hot and cold applications (-40° to 90°C). Type of insulation for EXT option is based on NEC Table 310.104(A).
- Dust Cover available for unused ports: RDC3 METAL DUST COVER CSA/UL J50 (available job pack of 50 only).
- Low voltage cable plenum rated.

LISTINGS

- C-UL-US listed for indoor, dry, and accessible locations.
- Meets or exceed all the requirements of UL183 and NEC (NFPA70) Article 604 for manufactured wiring systems.
- C12S option meets NEC requirements for separation of Class 2 and Class 3 circuits from Class 1 circuits by a barrier as defined by Article 725.136(B).
- Canadian Patent No. 2,845,603 (Class I, Class II).
- Meets NEC requirements for redundant ground paths for patient care areas in healthcare facilities (HCF option).

GOVERNMENT PROCUREMENT

- BAA – Buy America(n) Act: Product qualifies as a domestic end product under the Buy American Act as implemented in the FAR and DFARS. Product also qualifies as manufactured in the United States under DOT Buy America regulations.
- BABA – Build America Buy America: Product qualifies as produced in the United States under the definitions of the Build America, Buy America Act.
- Please refer to www.acuitybrands.com/buy-american for additional information.

WARRANTY

5-year limited warranty. This is the only warranty provided and no other statements in this specification sheet create any warranty of any kind. All other express and implied warranties are disclaimed. Complete warranty terms located at: www.acuitybrands.com/support/warranty/terms-and-conditions

Note: Actual performance may differ as a result of end-user environment and application. Specifications subject to change without notice.

OnePass® System Drops



OCS
Circuit Selector



OCU
Cord Unselectable



OD
Drop Cable



Items marked by a **shaded background** qualify for the Design Select program and ship in 15 days or less. To learn more about Design Select, visit www.acuitybrands.com/designselect.

*See ordering tree for details

Examples	Ships Separately (Field Installation)	Ships Attached (Factory Installation)	Fixture w/o RELOC	Fixture with RELOC
	OCS 277	OCS	CPHB 24000LM SEF GCL MD MVOLT GZ10 40K 80CRI DWH	CPHB 24000LM SEF GCL MD 277 GZ10 40K 80CRI OCS DWH
	OCS 120 18/3G 10	OCS4C10	CPHB 24000LM SEF GCL MD MVOLT GZ10 40K 80CRI E15WMCP DWH	CPHB 24000LM SEF GCL MD 277 GZ10 40K 80CRI E15WMCP OCS4C10 DWH


 Design Select options indicated
by this color background.

ORDERING INFORMATION

 For shortest lead times configure product using **bolded options**.

Example: OCS 120 18/3G 10

Series	Voltage	Conductors	Length	Modular Plug	Connector Type ‡	Device Color
OCS ‡	120 120V ‡	For 120, 277 and 347 Volts (blank) Three 18 AWG conductors, including ground	(blank) 6ft.	(blank) Not required RRL RELOC [®] -ready luminaires ‡	(blank) Not required L515 120V - NEMA L5 - 15R L520 120V - NEMA L5 - 20R L715 277V - NEMA L7 - 15R L720 277V - NEMA L7 - 20R L615 208V - NEMA L6 - 15R L620 208V - NEMA L6 - 20R L820 480V - NEMA L8 - 20R	(blank) White
	208 208V		10 10ft.			
	240 240V		15 15ft.			
	277 277V ‡	18/3G Four 18 AWG conductors, including ground ‡ For 208, 240 and 480 Volts ‡ (blank) Four 18 AWG conductors, including ground	20 20ft.			
	347 347V ‡		25 25ft.			
	480 480V		30 30ft.			
			35 35ft.			
			40 40ft.			
			45 45ft.			
			50 50ft.			

‡ Option Value Ordering Restrictions & Notes

Option value	Restriction
120, 277, 347	For 2 neutral applications, order OCU with TAP22N to tap the second hot and neutral.
18/3G	When ordered with 120 or 277 or 347 volts, two selector switches will be provided for selection of any 2 of the 3 tap positions available.
Connector Type	NEMA receptacles available with three 18AWG conductors only.
For 208, 240 and 480 Volts	Single circuit or 3 phase applications with 208 or 240 or 480 volts have two selector switches for selecting any 2 of the 3 tap positions. For two circuit 208 or 240 or 480 volt applications, order OCU with TAP34 to tap the second circuit.
OCS	For ordering attached to an Acuity Brands lighting fixture, simply move the voltage before the ballast description and remove all other spaces from the OCS catalog number (see examples above).
<u>RRL</u>	For use with fixtures. Fixture must have <u>RRL</u> and wiring instruction installed to use this option. See fixture spec sheet for details and availability. See <u>RRL</u> spec sheet for connector details.

Examples	Ships Separately (Field Installation)	Ships Attached (Factory Installation)	Fixture w/o RELOC	Fixture with RELOC
	OCU 277 TAP122N	OCU122N	CPHB 24000LM SEF GCL MD HVOLT GZ10 40K 80CRI IE15WMCP DWH	CPHB 24000LM SEF GCL MD 480 GZ10 40K 80CRI IE15WMCP OCU122N DWH
	OCU 480 TAP34	OCU34	CPHB 24000LM SEF GCL MD HVOLT GZ10 50K 80CRI DWH	CPHB 24000LM SEF GCL MD 480 GZ10 50K 80CRI IE15WMCP OCU34 DWH
	OCU 277 TAP1N C12S	OCU1NC12S	CPHB 24000LM SEF GCL MD MVOLT GZ10 40K 80CRI DWH	CPHB 24000LM SEF GCL MD MVOLT GZ10 40K 80CRI OCU1NC12S DWH

ORDERING INFORMATION

 For shortest lead times configure product using **bolded options**.

Example: OCU 277 TAP1N 15 C12S

Series	Voltage	Tap Position ‡	Length	Modular Plug	Controls Wiring	Cord Color
OCU ‡	120 120V	For 120, 277 and 347 Volts ‡	(blank) 6ft.	RRL RELOC [®] -ready luminaires ‡	(blank) Not required C12S Integrated CI, CII rated line voltage and signal wires	(blank) White
	208 208V	TAP1N 1 hot, with ground and neutral ‡	10 10ft.			
	240 240V	TAP22N 1 hot, Tap position 2 with second neutral only ‡	15 15ft.			
	277 277V	TAP122N 2 hots, Tap position 1 and 2 with first and second neutrals ‡	20 20ft.			
	347 347V	TAP123 3 hots, Tap positions 1, 2, 3	25 25ft.			
	480 480V	For 208, 240 and 480 Volts	30 30ft.			
		TAP12 2 hots, Tap positions 1 & 2	35 35ft.			
		TAP34 2 hots, Tap positions 3 & 4	40 40ft.			
		TAP1234 4 hots, Tap positions 1,2,3 & 4	45 45ft.			
			50 50ft.			

‡ Option Value Ordering Restrictions & Notes

Option value	Restriction
For 120, 277 and 347 Volts	To match existing OCU with TAP1, TAP2, TAP3, TAP12, TAP13, TAP123 refer to OCS ordering information for Three 18 AWG conductors.
OCU	For ordering attached to an Acuity Brands lighting fixture, simply move the voltage before the ballast description and remove all other spaces from the OCU catalog number (see examples above). Order OCU instead of OCS when one of these three conditions arise: five conductors are required to drop to the fixture, a second neutral is required in the fixture, or hot conductors in position 3 and 4 need to be tapped (The second circuit in a 208, 240, or 480 volt application).
RRL	If RRL selected, fixture must have RRL and wiring instruction. See fixture spec sheet for details. See RRL spec sheet for connector details.
Tap Position	Tap position indicates the hot conductors pin position. See wire color charts on page 5.
TAP12	Available with C12S option and 208 or 240 or 480 volts.
TAP22N, TAP122N	Each configuration of TAP22N and TAP122N requires "12/4G 2N" or "10/4G 2N" OnePass [®] components to complete the two neutral system.

ORDERING INFORMATION

 For shortest lead times configure product using **bolded options**.

Example: OD 277 12/4G 15

Series	Voltage	Conductors	Length	Modular Plug
OD	120 120V	12/2G Three 12 AWG conductors, including one 12 AWG ground	12/4G Five 12 AWG conductors, including one 12 AWG ground	(blank) Not required RRL RELOC®-ready luminaires ‡
	208 208V	12/3G Four 12 AWG conductors, including one 12 AWG ground	18/2G Three 18 AWG conductors, including one 18 AWG ground ‡	
	240 240V			
	277 277V			
	347 347V			
	480 480V			
		18/4G Five 18 AWG conductors, including one 18 AWG ground ‡		

Controls Wiring	Options	Device Color
(blank) Not required C12S Integrated CI,CII rated line voltage and signal wires ‡	(blank) Not required 2N Two circuit, two neutral ‡ EXT Extreme temperature rating conductors ‡ HCF Meets healthcare facility requirements ‡ CSA Required when ordered for Canada ‡	(blank) Not required RD Red ‡

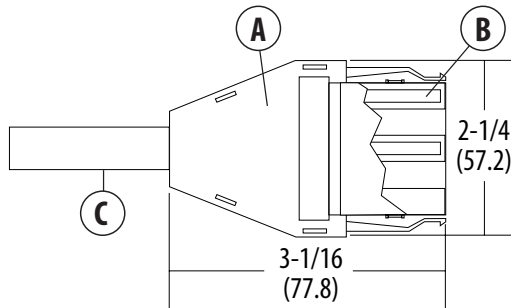
‡ Option Value Ordering Restrictions & Notes

Option value	Restriction
18/2G, 18/3G, 18/4G	Available in lengths up to 10ft only. For longer lengths please select an alternative gauge wiring option.
2N	Available with 120 or 277 or 347 volts and 10/4G or 12/4G or 18/4G conductors only.
C12S	Available with 12/G or 18/2G conductors only.
CSA	Product label for fixture drops must state: "Not for interruption of current" when ordered for Canada.
EXT	Required for EXTREME hot and cold temperature applications (-40° to 90°C). Not available with 10/4G or 12/4G or 18/2G or 18/3G or 18/4G conductors.
HCF	Available with 12/4G conductors only. Not available with C12S controls wiring.
RD	Non-plenum rated. Available up to 35ft only.
RRL	Available with 18 gauge conductors only. For use with fixtures. Fixture must have RRL and wiring instruction installed to use this option. See fixture spec sheet for details and availability. See RRL spec sheet for connector details.

DIMENSIONS

Dimensions are shown in inches (millimeters)

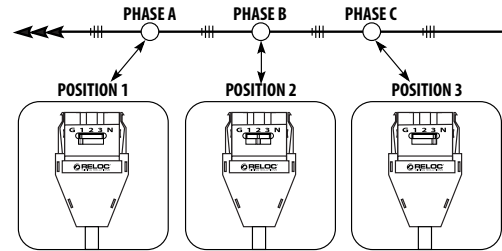
OCS - Circuit Selector



- A** – Injection molded, high-impact polymeric compound enclosure
- B** – Tin-plated, brass contacts
- C** – Rubberized cord with 18 AWG conductors, rated at 600V, 105°C and containing a fully rated ground conductor

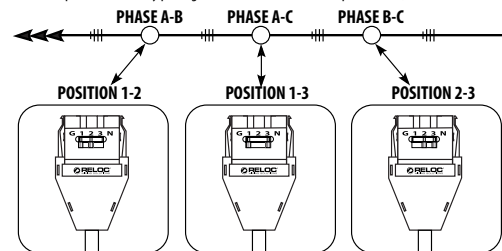
OCS Application for 120V, 277V and 347V Systems

A 3-phase run from a hardwire drawing is shown below. The three OCS connector views show how fixtures can be energized alternating between the phases on a run by placing the OCS selector switch into position 1, 2 or 3.



OCS Application for 208, 240, 480 and 18/3G Option for 120V, 277V and 347V Systems

A 3-phase run from a hardwire drawing is shown below. The three OCS connector views show how fixtures can be energized alternating between the three phases on a run by placing the OCS selector switch into position 1-2, 1-3 or 2-3.

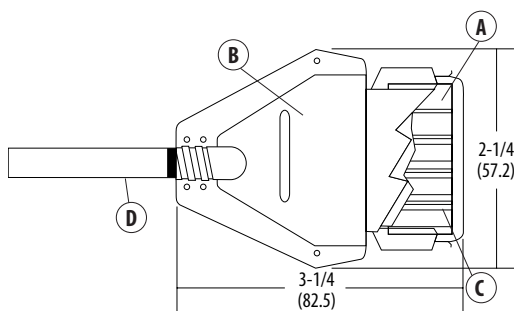


Note: OCS cannot be used for the second circuit (tap 34) in a 208/240/480V application. See OCU.

DIMENSIONS

Dimensions are shown in inches (millimeters)

OCU - Circuit Unselectable



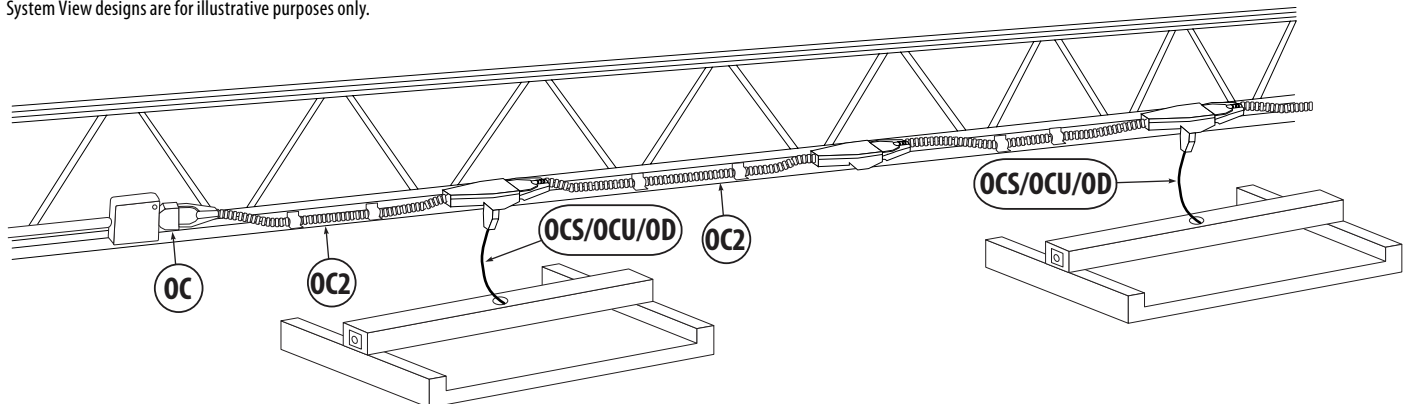
- A** – Connector body
- B** – 18-gauge galvanized steel cover, zinc alloyed casting
- C** – Tin-plated, brass contacts
- D** – Rubberized cord with No. 18 AWG.

OCS and OCU Wire Color Chart

OCS Cord 120V, 277V, 347V Standard Wire Colors					
Position	1	2	3	4	5
Conductor	Ground	Hot #1	Hot #2	Hot #3	Neutral #1
277V	Green	Black			White
277V (18/3G)	Green	Black/Red			White
120V/347V (18/3G)	Green	Black/Red			White
OCS Cord 208V, 240V, 480V Standard Wire Colors					
Position	1	2	3	4	5
Conductor	Ground	Hot #1	Hot #2	Hot #3	Hot #4
208V/240V/480V	Green	Black/ Red			
OCU Cord 120V, 277V, 347V Standard Wire Colors					
Position	1	2	3	4	5
Conductor	Ground	TAP1 (Hot #1)	TAP2 (Hot #2)	TAP3 (Hot #3)	Neutral #1
TAP123	Green	Black	Red	Orange	White
OCU Cord 208V, 240V, 480V Standard Wire Colors					
Position	1	2	3	4	5
Conductor	Ground	TAP1 (Hot #1)	TAP2 (Hot #2)	TAP3 (Hot #3)	TAP4 (Hot #4)
TAP12	Green	Black	White		
TAP34	Green			Black	White
TAP1234	Green	Black	Red	Orange	White
OCU Cord 120V, 277V, 347V Two Circuit, Two Neutral (2N option)					
Position	1	2	3	4	5
Conductor	Ground	TAP1 (Hot #1)	TAP2 (Hot #2)	Neutral #2	Neutral #1
TAP22N	Green		Black	White	
TAP122N	Green	Black	Red	Orange	White
OCU Cord 120V, 277V, 347V Class I, Class II (C12S option)					
Position	1	2	3	4	5
Conductor	Hot #1	Neutral #1	Ground	Data #1	Data #2
277V (TAPG1N)	Black	White	Green	Violet	Pink (or Gray)
120V/347V (TAPG1N)	Black	White	Green	Violet	Pink (or Gray)
OCU Cord 208V, 240V, 480V Class I, Class II (C12S option)					
Position	1	2	3	4	5
Conductor	Hot #1	Neutral #1	Ground	Data #1	Data #2
208V/240V (TAPG12)	Black	White	Green	Violet	Pink (or Gray)
480V (TAPG12)	Black	White	Green	Violet	Pink (or Gray)

SYSTEM VIEW

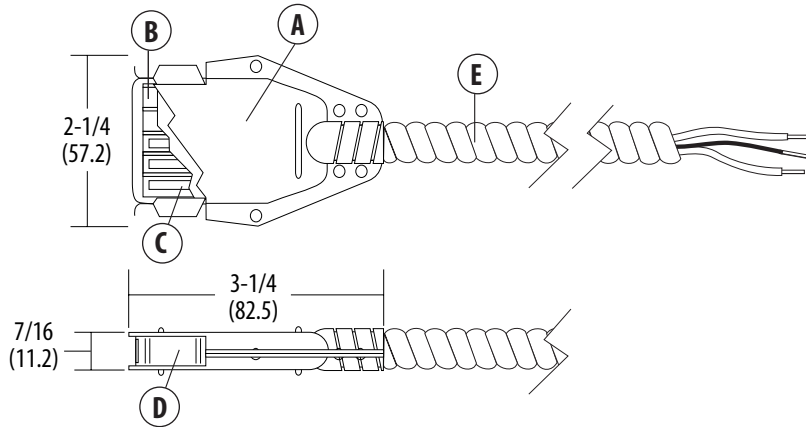
System View designs are for illustrative purposes only.



DIMENSIONS

Dimensions are shown in inches (millimeters)

OD - Drop Cable



A – 18-gauge galvanized steel cover, zinc alloyed casting

B – Connector body

C – Tin-plated, brass contacts

D – .015" spring steel latches

E – MC Cable standard. HCF MC, C12S MC optional. IGW option standard with FMC.

OD Wire Color Chart

OD Drop Cable 120V, 277V, 347V Standard Wire Colors					
Position	1	2	3	4	5
Conductor	Ground	Hot #1	Hot #2	Hot #3	Neutral #1
277V	Bare or Green	Brown	Orange	Yellow	Gray
120V/347V	Bare or Green	Black	Red	Blue	White
OD Drop Cable 208V, 240V, 480V Standard Wire Colors					
Position	1	2	3	4	5
Conductor	Ground	Hot #1	Hot #2	Hot #3	Hot #4
480V	Bare or Green	Brown	Orange	Yellow	Violet
208V & 240V	Bare or Green	Black	Red	Blue	Violet
OD Drop Cable 120V, 277V, 347V Two Circuit, Two Neutral (2N option)					
Position	1	2	3	4	5
Conductor	Ground	Hot #1	Hot #2	Neutral #2	Neutral #1
277V	Bare or Green	Brown	Orange	White	Gray
120V & 347V	Bare or Green	Black	Red	Gray	White

OD Cable 120V, 277V, 347V Class I, Class II (C12S option)					
Position	1	2	3	4	5
Conductor	Hot #1	Neutral #1	Ground	Data #1	Data #2
120V & 347V	Black	White	Bare or Green	Violet	Pink (or Gray)
277V	Brown	Gray	Bare or Green	Violet	Pink (or Gray)
OD Cable 208V, 240V, 480V Class I, Class II (C12S option)					
Position	1	2	3	4	5
Conductor	Ground	Hot #1	Hot #2	Neutral #2	Neutral #1
208V & 240V	Brown	Orange	Bare or Green	Violet	Pink (or Gray)
480V	Brown	Orange	Bare or Green	Violet	Pink (or Gray)