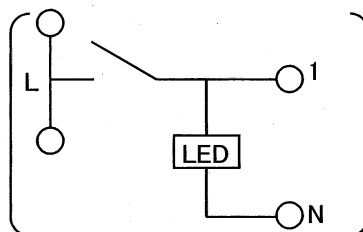


Product No. and Name (This document is applied to the following products.)

Product No.	Product Name
WEGN5341	INITIO SERIES Glow Switch "B", single pole (3-wire) 3-Device, Quick Connect Terminal 16 AX 250 V ~
WEGN5341B	INITIO SERIES Glow Switch "B", single pole (3-wire) 3-Device, Quick Connect Terminal 16 AX 250 V ~ (Black)
WEGN5341H	INITIO SERIES Glow Switch "B", single pole (3-wire) 3-Device, Quick Connect Terminal 16 AX 250 V ~ (Gray)

2. TYPE

- 2-1 Rating : 16 AX 250 V ~
 2-2 Contact Method : Silver alloy – Silver alloy contact
 2-3 Circuit : Single pole (Switch "B" / Pattern No.1 on IEC 60669-1)



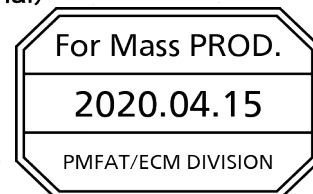
- 2-4 Terminal : Screw less Terminal (Quick Connect Terminal)

3. GUARANTEED QUALITY

- 3-1 Shape and dimension : As per attached specification drawing

- 3-2 Performance

- Testing methods are based on IEC 60669-1ed.4 (2017)
 (INTERNATIONAL ELECTROTECHINICAL COMMISSION 60669-1)
 Switches for household and similar fixed-electrical installations
- Following are tested at normal temperature $20^{\circ}\text{C} \pm 5^{\circ}\text{C}$



Resistance to ageing	Temperature : $70^{\circ}\text{C} \pm 2^{\circ}\text{C}$ for 168 hours (7 days)
Resistance to humidity	Temperature : $25^{\circ}\text{C} \pm 5^{\circ}\text{C}$ Humidity : 91 % to 95 % for 48 hours (2 days)
Insulation resistance (Insulation tester : 500V DC)	1. Between all poles connected together and the body, with the switch in the "On" position. : Not less than $5\text{ M}\Omega$ 2. Between each pole in turn and metal foil in contacted to the body, with the switch in the "On" position : Not less than $2\text{ M}\Omega$ 3. Between the terminals which are electrically connected together when the switch is in the "On" position, the switch being in the "Off" position : Not less than $2\text{ M}\Omega$
Electric strength	1. Between all poles connected together and the body, with the switch in the "On" position. : 2000V for 1 minute 2. Between each pole in turn and metal foil in contacted to the body, with the switch in the "On" position : 2000V for 1 minute 3. Between the terminals which are electrically connected together when the switch is in the "On" position, the switch being in the "Off" position : 2000V for 1 minute

Product No.
WEGN5341
3 model number in total

Product Name
INITIO SERIES Glow Switch "B", Single pole (3-wire)
3-Device, Quick Connect Terminal 16 AX 250 V ~

Rev.

Temperature rise	Test current : 20 A (2.5 mm ²)		Not more than 45K(terminals)																													
Making and breaking capacity	<table><tr><td>Voltage(V)</td><td>Current(A)</td><td>Power factor</td><td>Number of operation</td><td>Operation Rate (times/min.)</td></tr><tr><td>275 V</td><td>20 A</td><td>0.3±0.05</td><td>200</td><td>15</td></tr><tr><td>※ 250 V</td><td>19.2 A</td><td></td><td>200</td><td>15</td></tr></table> ※tungsten filament lamp				Voltage(V)	Current(A)	Power factor	Number of operation	Operation Rate (times/min.)	275 V	20 A	0.3±0.05	200	15	※ 250 V	19.2 A		200	15													
Voltage(V)	Current(A)	Power factor	Number of operation	Operation Rate (times/min.)																												
275 V	20 A	0.3±0.05	200	15																												
※ 250 V	19.2 A		200	15																												
Normal operation	(1)	<table><tr><td>Voltage(V)</td><td>Current(A)</td><td>Power factor</td><td>Number of operation</td><td>Operation Rate (times/min.)</td></tr><tr><td>250 V</td><td>16 A</td><td>0.6±0.05</td><td>40,000</td><td>15</td></tr></table> Temperature rise: Not more than 45 K (terminals) Electric strength : 1500 V for 1 minute				Voltage(V)	Current(A)	Power factor	Number of operation	Operation Rate (times/min.)	250 V	16 A	0.6±0.05	40,000	15																	
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250 V	16 A	0.6±0.05	40,000	15																												
	(2)	<table><tr><td></td><td>Voltage(V)</td><td>Current(A)</td><td>Power Factor</td><td>Number of operations</td><td>Operation Rate (times/min.)</td><td>Capacitor</td></tr><tr><td>Load A</td><td>250 V</td><td>16 A</td><td>0.9 ± 0.05</td><td>5000</td><td>15</td><td>140 μ F± 10 %</td></tr></table> <table><tr><td></td><td>I peak (A)</td><td>I²t (A²S)</td><td>Rated power of the SBL circuit (W)</td><td>Number of operations</td><td>Operation Rate (times/min.)</td></tr><tr><td>SBL</td><td>170</td><td>9</td><td>200</td><td>40,000</td><td></td></tr></table> Temperature rise: Not more than 45 K (terminals) Electric strength : 1500 V for 1 minute						Voltage(V)	Current(A)	Power Factor	Number of operations	Operation Rate (times/min.)	Capacitor	Load A	250 V	16 A	0.9 ± 0.05	5000	15	140 μ F± 10 %		I peak (A)	I ² t (A ² S)	Rated power of the SBL circuit (W)	Number of operations	Operation Rate (times/min.)	SBL	170	9	200	40,000	
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SBL	170	9	200	40,000																												
Mechanical strength (impact-test)	Height of falls : 80 mm striking element : 250 g 9 hit points																															
Ball-pressure test	The parts which is necessary to retain current-carrying parts. Temperature : 125 °C ± 2 °C Force : 20 N for 1 hour The parts which is not necessary to retain current-carrying parts. Temperature : 70 °C ± 2 °C or 40 °C ± 2 °C plus the highest temperature rise Force : 20 N for 1 hour																															
Glow-wire test	The parts which is necessary to retain current-carrying parts. Temperature : 850 °C for 30 seconds The parts which is not necessary to retain current-carrying parts. Temperature : 650 °C for 30 seconds																															
Resistance of rusting 10 % solution of ammonium chloride in water for 10 minutes																																
Performance of screw less terminal	Wire pull test	30 N for 1 minute			<div>For Mass PROD. 2020.04.15 PMFAT/ECM DIVISION</div>																											
	Wire circular-motion test	(10 ± 2) rev./min. for 15 minutes																														
	The voltage drop	Not more than 15 mV																														
	Terminal heat cycle	The difference between the voltage drop at 24 cycle and that 192 cycle shall not exceed 22.5 mV or two times The value measured after 24 cycle, whichever is the smaller.																														
	Bending strength	1.5 mm ² : 0.5 N 2.5 mm ² : 1 N The voltage drop : Not more than 25 mV																														

Note : In this specification, units are in accordance with the International System of Units (SI)
based on International Electro technical Commission (IEC).

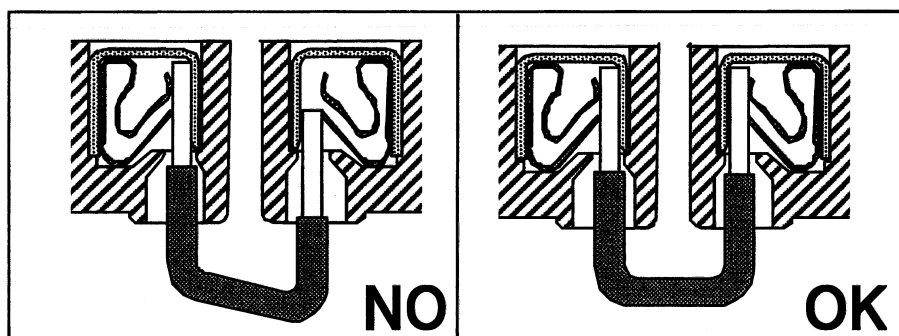
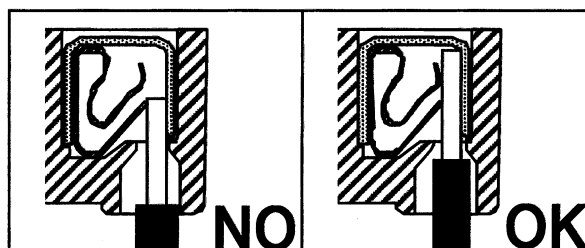
Product No.
WEGN5341
3 model number in total

Product Name
INITIO SERIES Glow Switch "B", Single pole (3-wire)
3-Device, Quick Connect Terminal 16 AX 250 V~

Rev.

Title	Product Specification	Page. 3 / 6
<p>4. ENVIROMENTAL CONDITIONS</p> <p>4-1 Ambient Temperature : -10 °C to + 40 °C</p> <p>4-2 Installation</p> <p>(1) This switch is designed only for indoor use.</p> <p>(2) This switch is not allowed to use in job sites which is subject to get severe handling and in damp place open air and under the eaves.</p> <p>5. CONDITION FOR USE</p> <p>5-1 Connection System</p> <p>(1) Application Wire</p> <p>1.5 mm² - 4 mm² Only Rigid (Solid or Stranded) Copper Conductor Type</p> <p>15 AWG - 12 AWG</p> <p>Note :</p> <p>The 1 mm² solid wire can be used at only less than 6 A.</p> <p>Do not connect 1 mm² solid wire to the terminal which has been connected with wire thicker than 1 mm² wire.</p> <p>Only use the applicable wire (Thickness & Rated current).</p> <p>Please make it sure before connecting to the terminal.</p> <p>Warning : Never use other types of conductors than those specified above. or, it may result in heating or faulty contact in the wiring.</p> <div data-bbox="515 1211 1212 1469" data-label="Image"> </div> <p>(2) Connection method</p> <p>(i) Strip off the covering of the conductor by 12 mm in accordance with the strip-off gauge provided on the rear side of the switch.</p> <div data-bbox="579 1632 1141 1843" data-label="Image"> </div> <div data-bbox="1176 1774 1489 1966" data-label="Image"> </div>		
Product No. WEGN5341 3 model number in total	Product Name INITIO SERIES Glow Switch "B", Single pole (3-wire) 3-Device,Quick Connect Terminal 16 AX 250 V~	Rev.

(ii) Insert each of the conductor until it lands on the bottom of the hole.



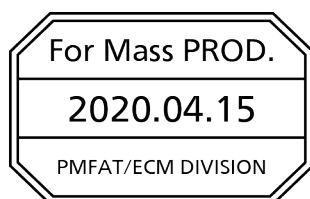
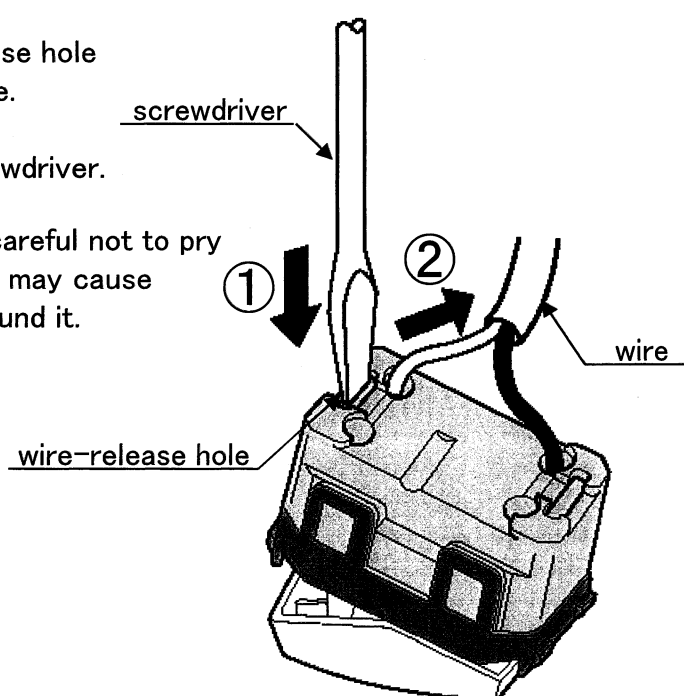
Warning : Be careful not to pull or twist the connected conductor with an excessive force to avoid damaging the conductor

5-2 Disconnection method

(1) Insert an screwdriver(medium or small size) straight into the wire-release hole until it lands on the bottom of the hole.

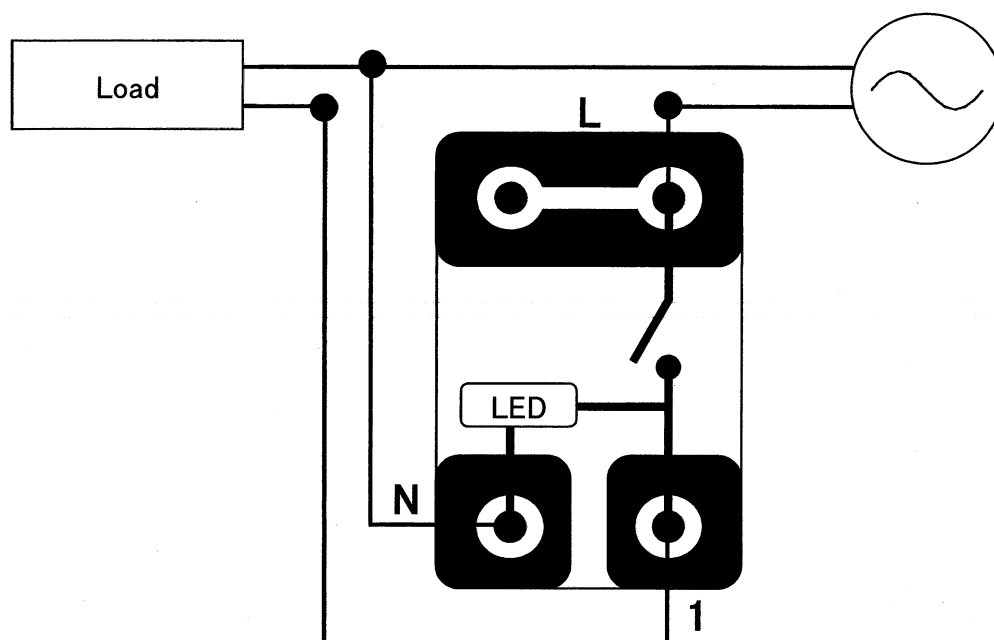
(2) Extract the wire and pull out the screwdriver.

Warning : When disconnecting the wire, be careful not to pry it out with the screwdriver, which may cause cracking off the molded parts around it.



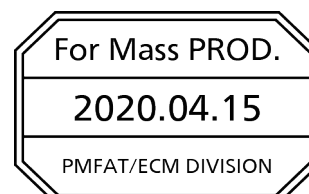
5-3Notes on Installation

(1)The product requires 3 wire connections.



(2) LED doesn't glow, when replacing from single pole switches.
Additional installation in wiring is required.

Caution : Wrong connections may cause short circuit, malfunction of loads
or a built-in LED, and other possible faults.



Product No.
WEGN5341
3 model number in total

Product Name
INITIO SERIES Glow Switch "B", Single pole (3-wire)
3-Device,Quick Connect Terminal 16 AX 250 V~

Rev.

6. CAUTIONS FOR SAFE USE

We are not liable for any problems caused by noncompliance with the following items.

6-1 Cautions during use

(1) Improper connection

When connecting this product, follow the details in the specification
(See "5 : CONDITION FOR USE").

An improper connection may cause electric shock, abnormal heating or
Ignition in the terminals.

(2) Improper use

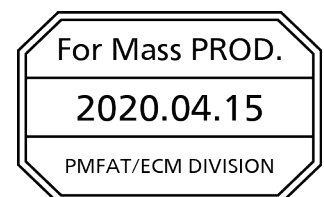
When using this product, follow the details in the specification
(See "4:ENVIRONMENTAL CONDITIONS").

If you use the product in an unsuitable place, such as outdoors, an insulation
fault in the appliance may cause electric shock or short circuit.

DO NOT use the electric wire if it has a damaged cover.
Faulty insulation may cause electric shock or short circuit.

DO NOT pull or twist the connected wire with excessive force.
The core of the wire may be damaged, causing abnormal heating or ignition
in the terminals.

DO NOT use soldered flexible or stranded wire.
It may cause abnormal heating or ignition in the terminal.



Product No.
WEGN5341
3 model number in total

Product Name
INITIO SERIES Glow Switch "B", Single pole (3-wire)
3-Device,Quick Connect Terminal 16 AX 250 V~

Rev.