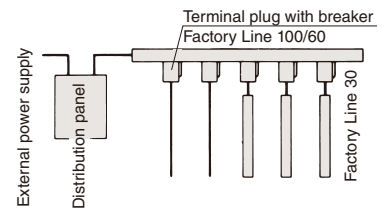
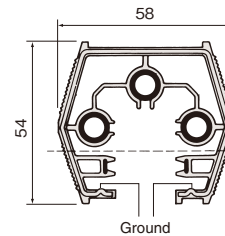


FactoryLine 100/60



The Factory Line 100 and Factory Line 60 are multipurpose ducts capable of simultaneously providing both three-phase and single-phase power supplies.

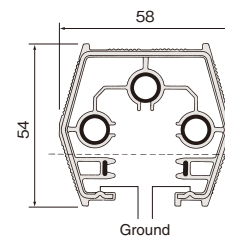
In the Factory Line 100/60 ducts, two types of conductors are separated into an upper level and a lower level, so two types of power supplies can be simultaneously obtained from the same duct. In addition to direct branching to a drive load, the upper level (Factory Line 100: either three-phase 100A or single-phase three-wire 100A; Factory Line 60: either three-phase 60A or single-phase three-wire 60A) can also be used as the main line for the connection of the Factory Line 30 in order to provide such branching circuits as small drive loads, electrical outlets, and lighting. In addition, a single-phase power supply of up to 20A 250V (same for both the Factory Line 100 and the Factory Line 60) can be obtained from the lower level in order to supply power for small drive loads, electrical outlets, lighting, etc. A wide variety of branching plugs are available for both the upper level and the lower level.



Factory Line 100

3P 100A 300V with ground for direct branching to drive-loads or for branching to Factory Line 30.

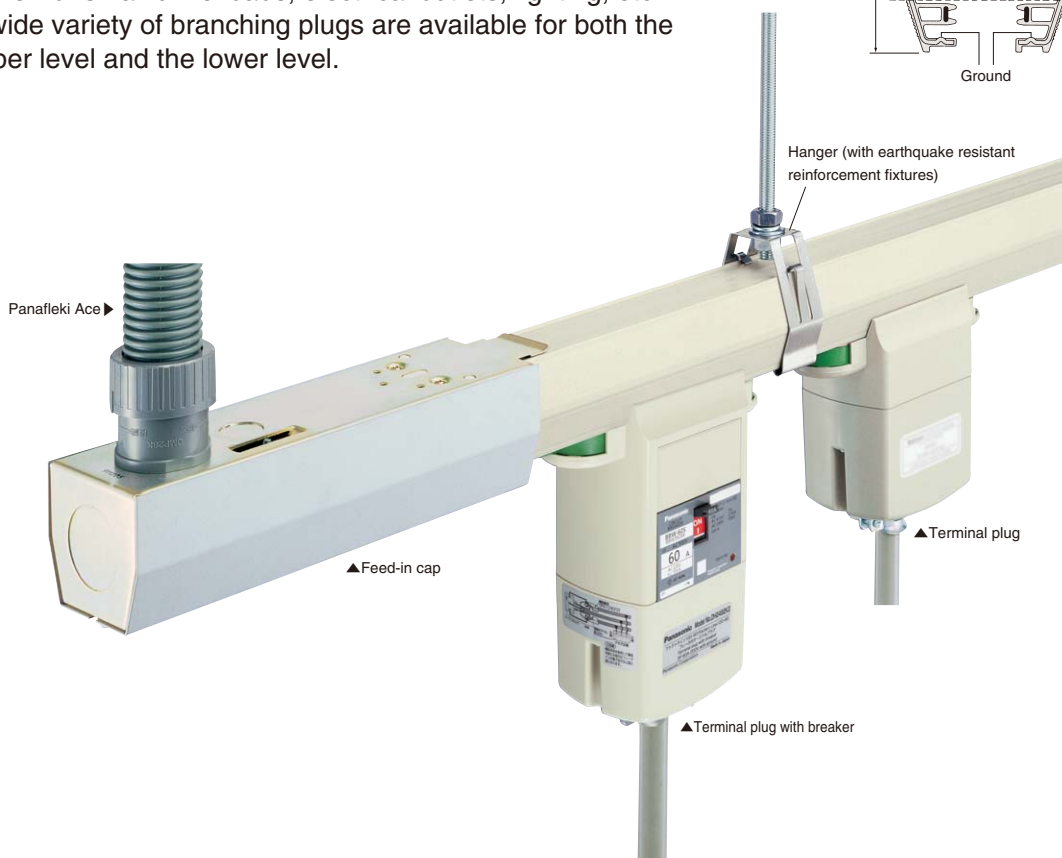
2P 20A 300V with ground for obtaining power supply for small drive-loads, electrical outlets, and lighting.



Factory Line 60

3P 60A 300V with ground for direct branching to drive-loads or for branching to Factory Line 30.

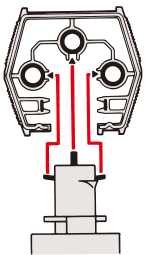
2P 20A 300V with ground for obtaining power supply for small drive-loads, electrical outlets, and lighting.



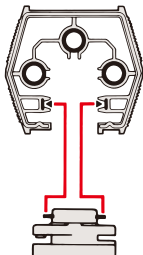


■ Method for branching from the three-wire of the upper level to Factory Line 30 [Items in parentheses are for Factory Line 60.]

● Branching from the upper level

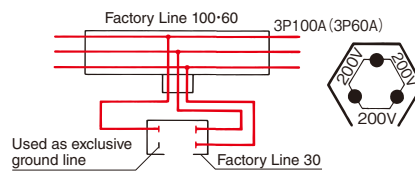


● Branching from the lower level

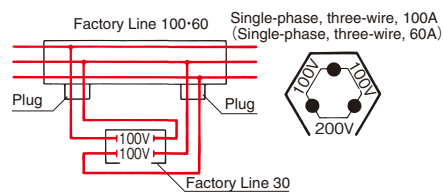


* The plugs for the Factory Line 30 cannot be used with the Factory Line 100 or Factory Line 60 because the ground connections are different.

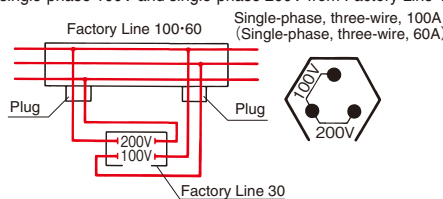
- To obtain a single three-phase circuit from Factory Line 100/60:



- To obtain two single-phase 100V circuits from Factory Line 100/60:



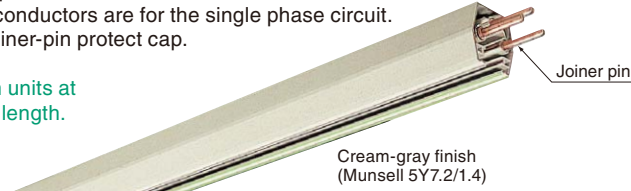
- To obtain single-phase 100V and single-phase 200V from Factory Line 100/60:



Factory Line 100/60 main unit (cream-gray finish)

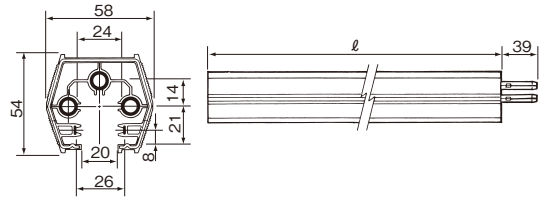
Factory Line 100: 3P 100A 300V + 2P 20A 300V with ground.
 Factory Line 60: 3P 60A 300V + 2P 20A 300V with ground.
 Conductor equipped duct.
 The upper 3 conductors are for the three-phase three-wire circuit or the single phase three-wire circuit.
 The lower 2 conductors are for the single phase circuit.
 Attaches a joiner-pin protect cap.

[Warning]
 Use the main units at the standard length.

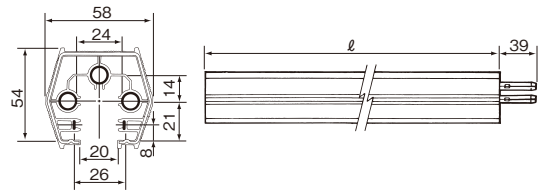


	Cat. No.	Length ℓ (mm)	Weight (kg)
Factory Line 100	DH2411	1,000	3.3
	DH2412	2,000	6.6
	DH2413	3,000	9.9
Factory Line 60	DH2311	1,000	3.1
	DH2312	2,000	6.1
	DH2313	3,000	9.1

● Factory Line 100



● Factory Line 60



Duct cover (cream-gray finish)

Protect from entering foreign bodies or dusts into main unit.
 Length 1000mm. Made of PVC resin.
For Factory Line 200,100/60 and 30systems.



Cat. No.	Weight (kg)
DH2799	0.06

Feed-in cap (cream-gray finish)

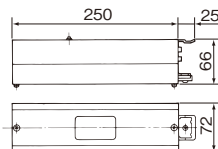
3P 100A 300V + 2P 20A 300V with ground.
 Supplying power at an end of the main unit.
For Factory Line 100/60 system.



Knockout diameter
 Upper surface
 $\phi 38.8 \times 1$
 $\phi 21.5 \times 1$

Side surface
 $\phi 38.8 \times 1$

Solderless terminals
 not required



Cat. No.	Weight (kg)
DH2421	1.1

Factory Line 60 auxiliary main unit (cream-gray finish)

3P 60A 300V + 2P 20A 300V with ground.
 Feed-in caps can only set at the female end of the Factory Line 60 main unit. In case supplying power at the male end, use this unit for gender changing.

For Factory Line 60 system.

[Warning]
 Use this unit at the standard length.



Cat. No.	Weight (kg)
DH2310	3.0

Feed-in cap with breaker (cream-gray finish)

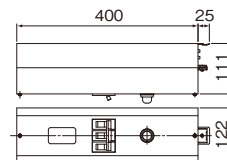
3P 100A 200V + 2P 20A 300V with ground.
 Supplying power at an end of the main unit.
 Built-in circuit breaker(3P 100A N-BAK-100)
For Factory Line 100 system.



Knockout diameter
 Upper surface
 $\phi 38.8 \times 1$
 $\phi 21.5 \times 1$

Side surface
 $\phi 38.8 \times 1$

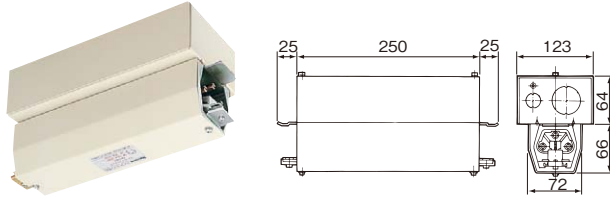
Solderless terminals
 not required



Cat. No.	Weight (kg)
DH2424K1	3.1

Center feed-in joiner (cream-gray finish)

3P 100A 300V + 2P 20A 300V with ground.
Supplying power between the main units and connecting them.
For Factory Line 100/60 system.



Knockout diameter

Side surface
φ38.8×1 φ21.5×1

With 38mm² pressure terminals

Cat. No.	Weight (kg)
DH2422	2.4

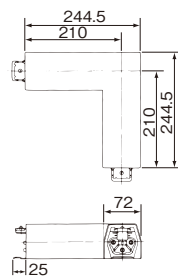
Joiner L (cream-gray finish)

3P 100A 300V + 2P 20A 300V with ground.
Connecting main unit to L-shapes.
With feed-in terminal.

For Factory Line 100/60 systems.

[Caution]

- For Factory Line 100 systems, cut the feed line side unit to 40 mm for connection.
- For Factory Line 60 systems, auxiliary unit required on the feed in side.



Note : Custom-made products.

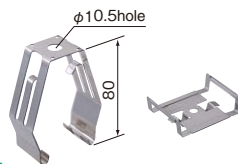
Hanger (with earthquake resistant reinforcement fixtures)

Attaching main unit directly to the building structure or suspending with supplied bolts.
Support intervals : Shorter than 1.5m.
Stainless steel hanger.

For Factory Line 200, 100/60 systems.

[Caution]

- Suspending weight must be below 196N(20kgf) on each hanger.
- Main unit cannot fasten directly to the building structure without using hangers.



The DH2452K (no earthquake resistant reinforcement fixtures) is also available.

Cat. No.	Weight (kg)
DH2452K1	0.03

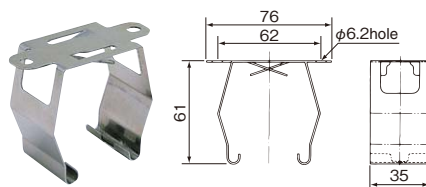
Ceiling direct-mounting hanger

Mounting main unit directly to the ceiling.
Support intervals : Shorter than 1.5m.
Stainless steel hanger.

For Factory Line 200, 100/60 systems.

[Caution]

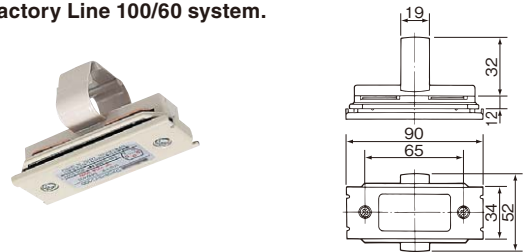
- Suspending weight must be below 196N(20kgf) on each hanger.
- Main unit cannot fasten directly to the building structure without using hangers.



Cat. No.	Weight (kg)
DH2453	0.03

Joiner (cream-gray finish) (FS)

2P 20A 300V with ground.
Connecting lower conductors and ground lines of main units electrically. Cannot supply power with this part.
For Factory Line 100/60 system.

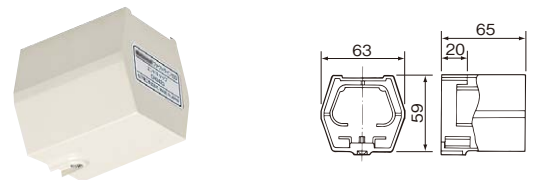


Cat. No.	Weight (kg)
DH2431	0.1

End cap (cream-gray finish)

Closing an end of the main unit.

For Factory Line 100/60 system.



Cat. No.	Weight (kg)
DH2423K	0.06

Earthquake resistant reinforcement fixtures

Used in hanger installations to further strengthen the main unit installation. Can be installed at any time to existing hanger installations. As a guide, we recommend installing it to hangers with a bolt length greater than 500 mm.
Stainless steel hanger.

[Caution]

Cannot be used with ceiling direct-mounting hangers.

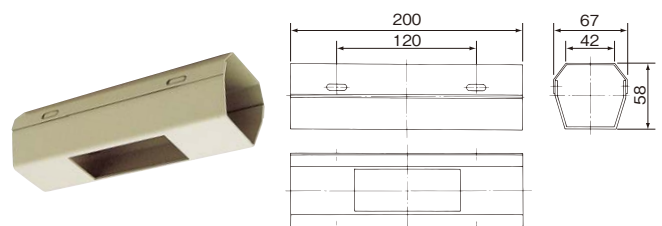


Cat. No.	Weight (kg)
DH2457	0.01

Connection reinforcement fixture (cream-gray finish)

To keep straight the joint part of the main unit suspended by long bolts.

For Factory Line 200, 100/60 systems.

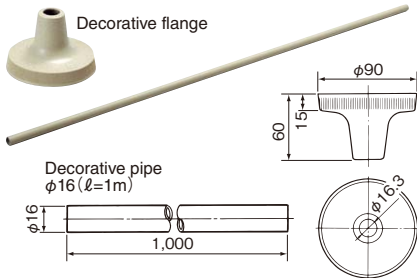


Cat. No.	Weight (kg)
DH2454	0.51

Decorative flange and pipe (cream-gray finish)

Hide the suspension bolt for good appearance. Cut the decorative pipe into the length of the suspension bolt.

For Factory Line 200, 100/60 and 30 systems.



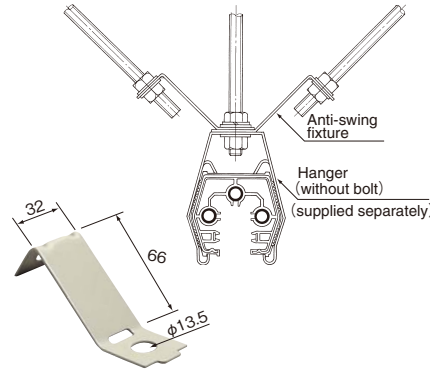
Cat. No.	Name	Weight (kg)
DH2455	Decorative flange	0.1
DH2456	Decorative pipe	0.47

Anti-swing fixture (ivory-gray finish)

Prevent suspension bolts from swinging. Default angle is 45 degrees. You can bend to fit the site.

Use two pieces if secure both sides.

For Factory Line 400, 200, 100/60 and 30 systems.



Cat. No.	Weight (kg)
DL741Y	0.1

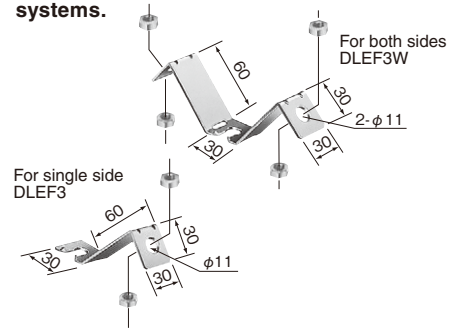
Anti-swing fixture (electro-galvanized)

Eliminates need to pass through hanger bolt before processing. Can be fitted to existing bolts to prevent swinging.

Default angle is 45 degrees.

You can bend to fit the site.

For Factory Line 200, 100/60 and 30 systems.



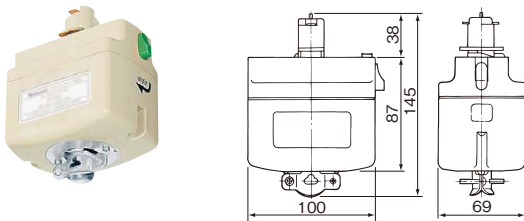
Cat. No.	Type	Bolt	Weight (kg)
DLEF3	For single side	W3/8	0.07
DLEF3W	For both sides	W3/8	0.13

Terminal plug A (cream-gray finish)

3P 30A 300V with ground.

Use for extracting three-phase power supply or single-phase power supply from the upper 3P conductors.

For Factory Line 100/60 systems.

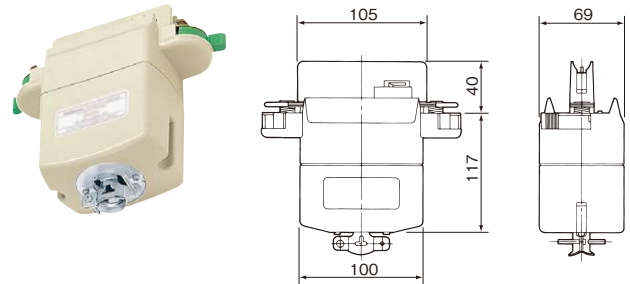


Cat. No.	Rating	Weight (kg)
DH2481	3P30A300V with ground	0.35

3P 60A 300V with ground.

Use for extracting three-phase power supply or single-phase power supply from the upper 3P conductors.

For Factory Line 100/60 systems.



Cat. No.	Rating	Weight (kg)
DH2491	3P60A300V with ground	0.5

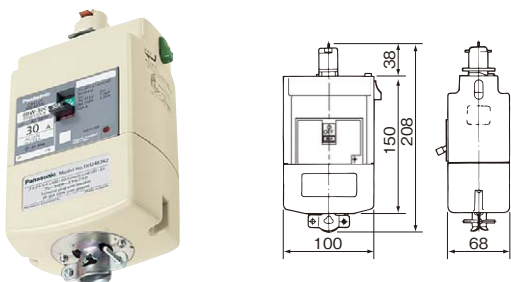
Terminal plug with breaker (cream-gray finish)

3P 20A/30A 200V with ground.

Use for extracting three-phase power supply or single-phase power supply from the upper 3P conductors.

Built-in circuit breaker(20A/30A:BBW-30C)

For Factory Line 100/60 systems.



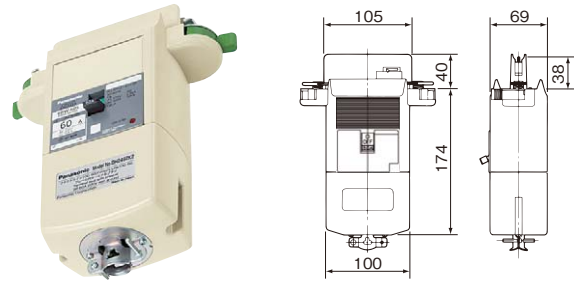
Cat. No.	Rating	Weight (kg)
DH2482K2	3P20A200V with ground	0.91
DH2483K2	3P30A200V with ground	

3P 60A 200V with ground.

Use for extracting three-phase power supply or single-phase power supply from the upper 3P conductors.

Built-in circuit breaker(60A:BBW-60S)

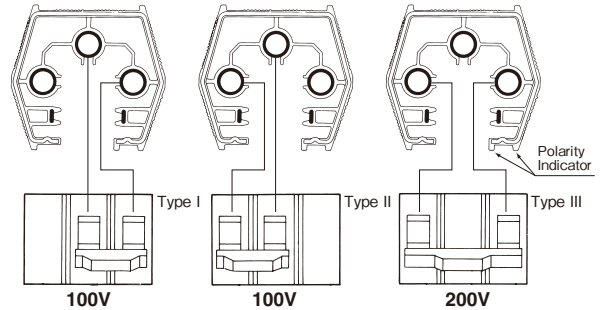
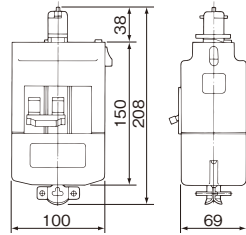
For Factory Line 100/60 systems.



Cat. No.	Rating	Weight (kg)
DH2492K2	3P60A200V with ground	1.4

Terminal plug with breaker (cream-gray finish)

2P 20A/30A 200V with ground.
 Use for extracting single-phase power supply from the upper 3P conductors.
 Built-in circuit breaker(N-BAK-50K)
 Available in 3 models, Type I, Type II and Type III.
For Factory Line 100/60 systems.

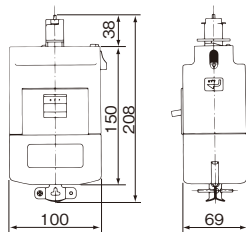


Consider the phase balance when selecting plugs.

Cat. No.	Rating	Type	Weight (kg)
DH24823K1	2P20A200V with ground	Type I	0.90
DH24824K1		Type II	
DH24825K1		Type III	
DH24833K1	2P30A200V with ground	Type I	0.90
DH24834K1		Type II	
DH24835K1		Type III	

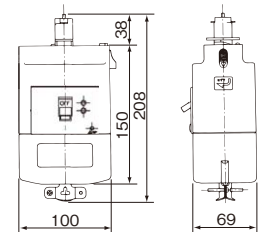
Terminal plug with motor breaker (cream-gray finish)

For 0.2 kW to 5.5 kW.
 Use for extracting three-phase power supply from the upper 3P conductors.
 Built-in motor breaker (BBW-30CM)
For Factory Line 100/60 systems.



Terminal plug with leakage breaker (cream-gray finish)

3P 20A/30A 200V with ground.
 Use for extracting three-phase power supply or single-phase power supply from the upper 3P conductors.
 Built-in leakage breaker (BKW-50S)
For Factory Line 100/60 systems.



Cat. No.	Motor rating	Rating	Weight (kg)
DH24871K1	0.2kW	3P200V with ground	0.94
DH24872K1	0.4kW		
DH24873K1	0.75kW		
DH24874K1	1.0kW		
DH24875K1	1.5kW		
DH24876K1	2.2kW		
DH24877K1	3.7kW		
DH24878K1	5.5kW		

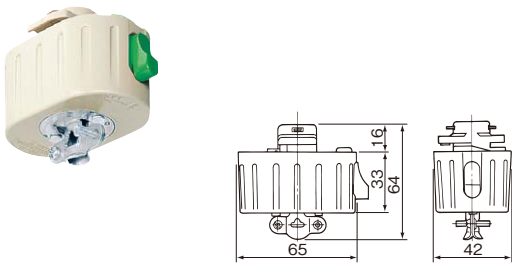
Cat. No.	Rating	Current sensitivity	Weight (kg)
DH24821K1	3P20A200V with ground	15mA	0.94
DH24831K1	3P30A200V with ground		
DH24822K1	3P20A200V with ground	30mA	
DH24832K1	3P30A200V with ground		

Terminal plug B (cream-gray finish)

JIS C 8366 ⚡Ⓢ
 2P 15A 300V with ground.
 Use for extracting single-phase power supply from the lower 2P conductors.

For Factory Line 100/60 systems.

[Caution]
 Cannot be used for Factory Line 30 because of the difference in the ground connection.



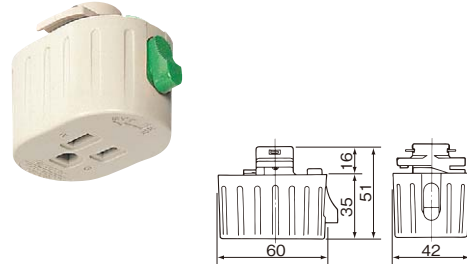
Cat. No.	Rating	Weight (kg)
DH2463	2P15A300V with ground	0.08

Plug socket (cream-gray finish)

JIS C 8366 ⚡Ⓢ
 Ground 2P 15A 125V.
 Use for extracting single-phase power supply for socket from the lower 2P conductors. (100V only)

For Factory Line 100/60 systems.

[Caution]
 Cannot be used for Factory Line 30 because of the difference in the ground connection.



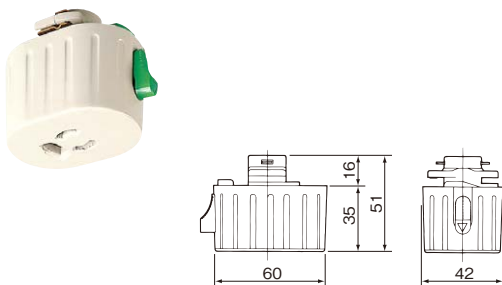
Cat. No.	Rating	Weight (kg)
DH2461	Ground 2P15A125V	0.07

Locking plug socket (cream-gray finish)

JIS C 8366 ⚡Ⓢ
 Ground 2P 15A 125V locking.
 Use for extracting single-phase power supply for socket from the lower 2P conductors. (100V only)

For Factory Line 100/60 systems.

[Caution]
 Cannot be used for Factory Line 30 because of the difference in the ground connection.



Cat. No.	Rating	Weight (kg)
DH2477	Ground 2P15A125V locking	0.07

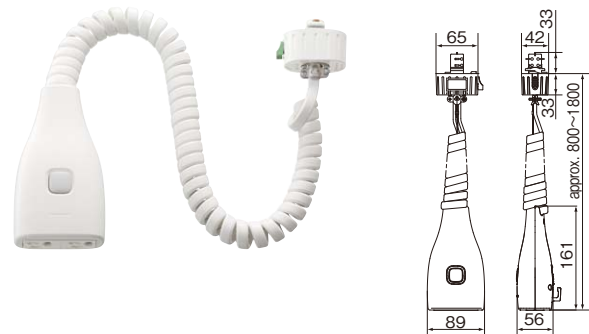
Reel-type plug socket (white finish)

JIS C 8366 ⚡Ⓢ
 For twin ground 2P 15A 125V, twin ground 2P 15A 125V locking.
 Plug socket from lower 2P conductors, and can be lowered to hand level (max. 1.8m from the duct).

Lowering up to 3m [U] from the duct available to order. (100V only)

For Factory Line 100/60 systems.

[Caution]
 ① Cannot be used for Factory Line 30 because of the difference in the ground connection.
 ② To rewind the reel section, press and hold the button, and slowly raise the socket. Failure to do so may cause damage.



Cat. No.	Rating	Weight (kg)
DH24621W	For twin ground 2P15A125V	0.70
DH24641W	For twin ground 2P15A125V locking	

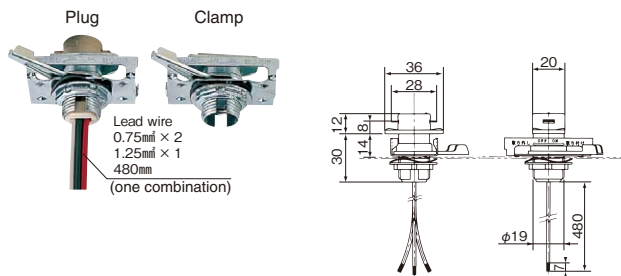
Lighting fixture plug

JIS C 8366 Ⓢ
 2P 6A 300V with ground.
 Mounting a lighting fixture directly to the main unit and supply power from lower 2P conductors.
 Consists of plug and clamp.

For Factory Line 100/60 system.

[Caution]

- ① Suspending weight must be below 196N(20kgf).
- ② Cannot be used for Factory Line 30 because of the difference in the ground connection.



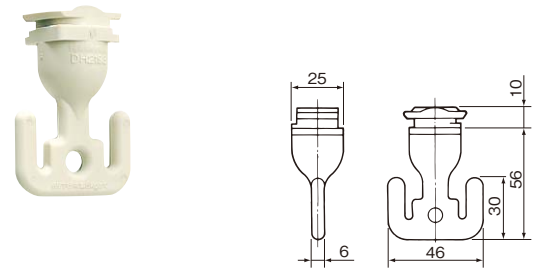
Cat. No.	Rating	Weight (kg)
DH2471	2P6A300V with ground	0.16

Cord hook (cream-gray finish)

Support wiring cables connected to the outlet plug.
For Factory Line 100/60 and 30 systems.

[Caution]

Suspending weight must be below 49N(5kgf) on each hanger.



Cat. No.	Weight (kg)
DH2798	0.03