

## Product Discontinuation Notices

July 4, 2011

RFID Systems

No. 2011208E

### Discontinuation Notice of RFID System model V600-IDSC02/04 and V600-H12 series

#### Product Discontinuation

RFID Systems



**V600-IDSC02/04  
V600-H12 series**

#### Recommended Replacement

RFID Systems

**V600-CA5D02  
V600-H11 series**

**Discontinuation date : The end of March, 2012**

#### Caution on recommended replacement

(1) About model V600-CA5D02

- The number of connectable Read/Write Head is 2 units (maximum).
- The command format is as same as V600-IDSC series, when the setting of communications protocol is "1:N" protocol.  
(Note: There are unsupported commands at V600-CA5D02.)
- Please confirm the operation manual in details.

(2) About model V600-H11

- The communication distance is different. Please check the operation before use this unit.
- Please confirm the operation manual in details.

#### Difference from discontinued product

Model	Body Color	Dimen sions	Wire connection	Mounting Dimensions	Charact eristics	Operation ratings	Operation methods
V600-CA5D02	--	--	*	--	*	-	*
V600-H11	**	--	**	--	*	*	-

\*\* : Fully compatible

\* : The change is a little/Almost compatible

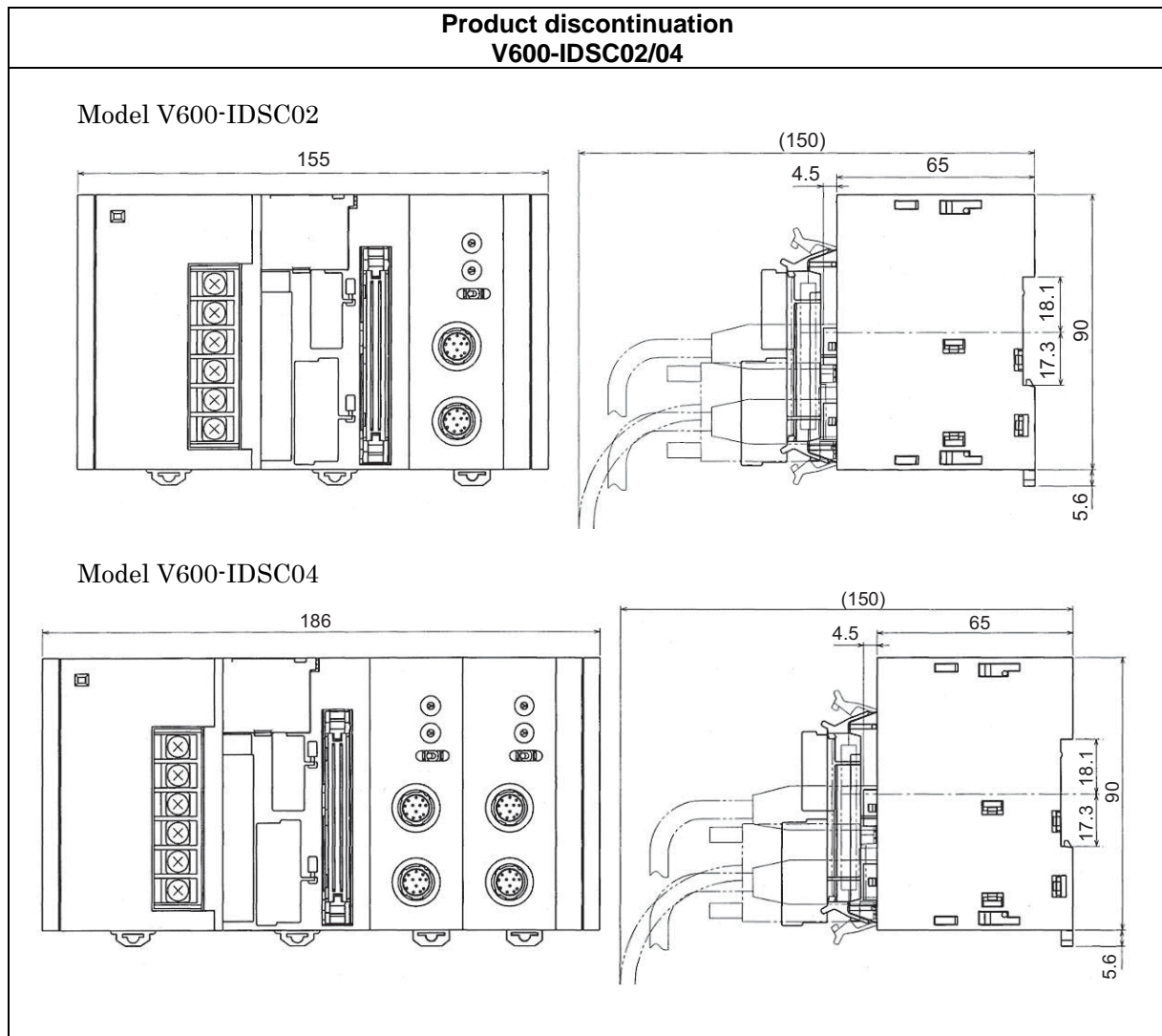
-- : Not compatible

- : No corresponding specification

## Product Discontinuation and recommended replacement

Product discontinuation	Recommended replacement
Model V600-IDSC02	Model V600-CA5D02
Model V600-IDSC04	None
Model V600-H12 0.09M	None
Model V600-H12 0.5M	Model V600-H11 0.5M
Model V600-H12 2M	Model V600-H11 2M
Model V600-H12 5M	Model V600-H11 5M
Model V600-H12 10M	Model V600-H11 10M
Model V600-H12 15M	None
Model V600-H12-R 0.5M	Model V600-H11-R 0.5M
Model V600-H12-R 10M	Model V600-H11-R 10M

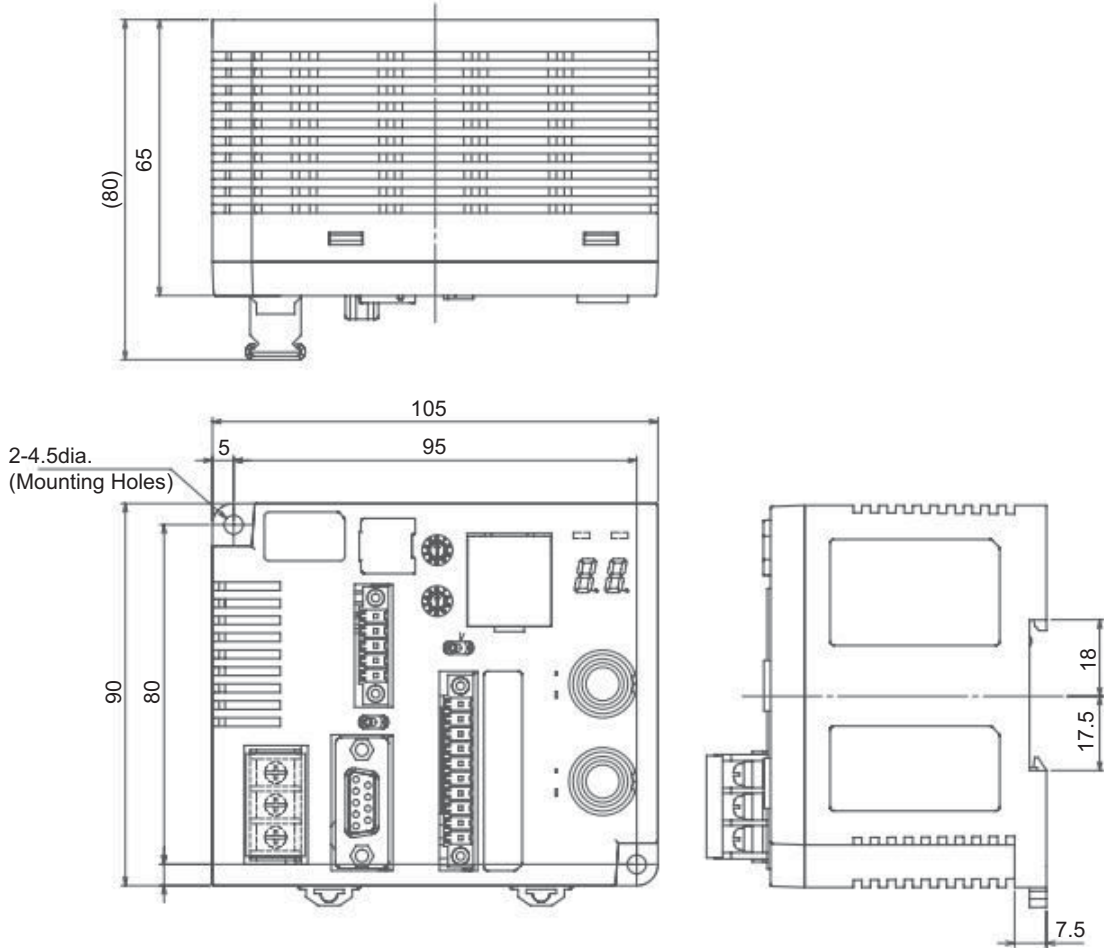
## Dimensions



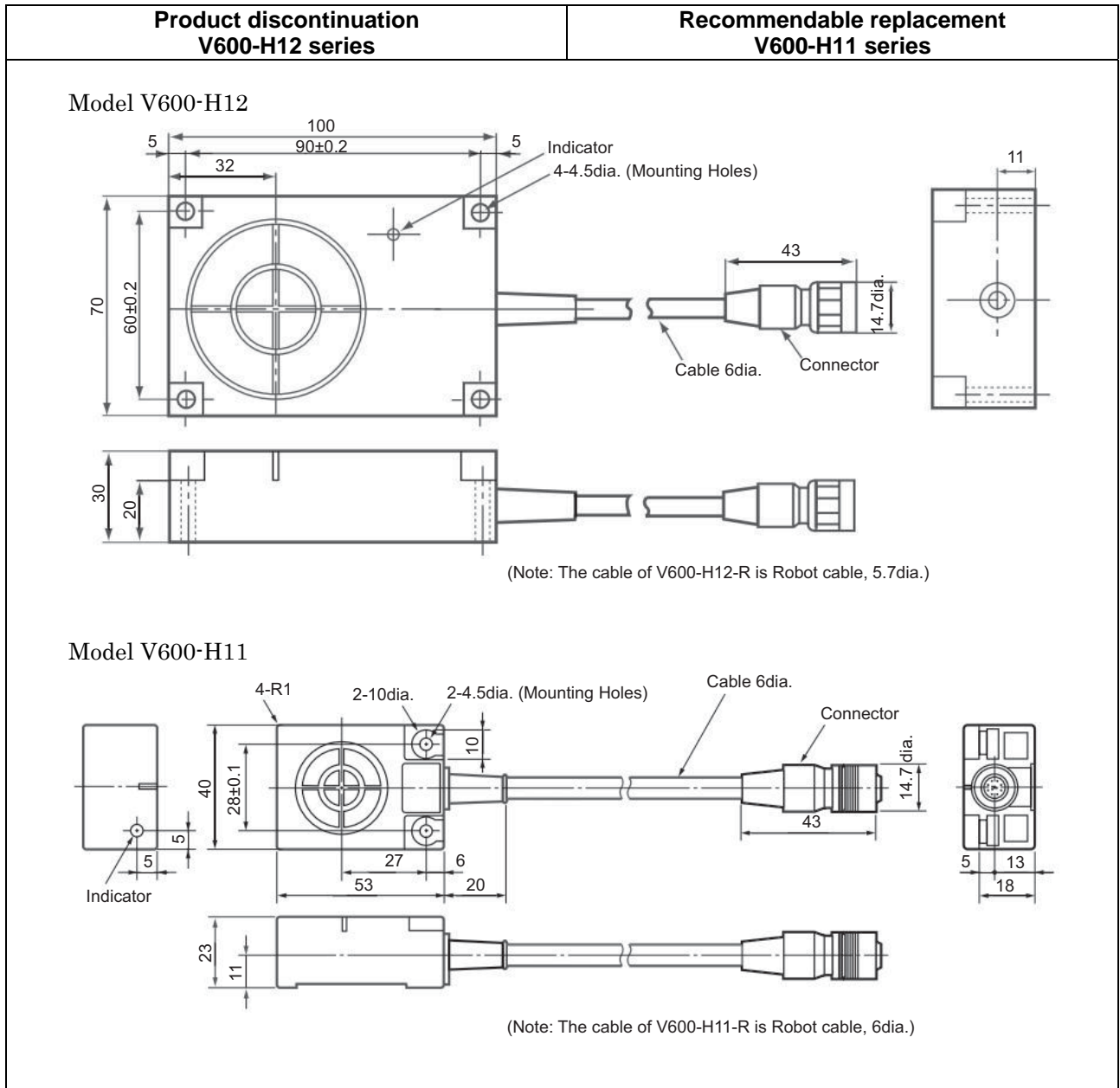
# Dimensions

## Recommendable replacement V600-CA5D02

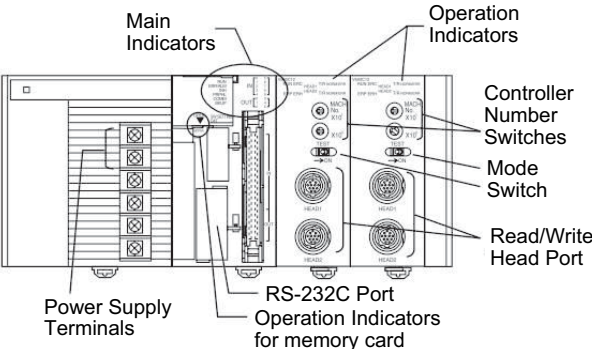
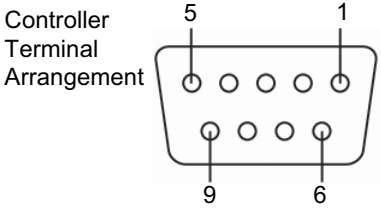
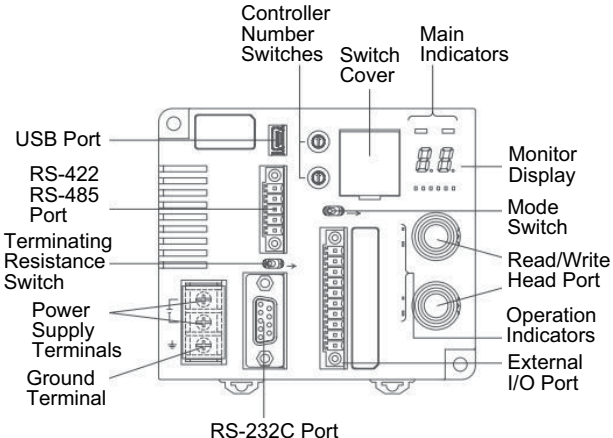
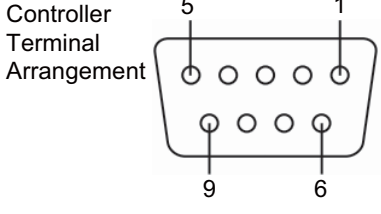
Model V600-CA5D02



## Dimensions



## Wire Connection

Product discontinuation V600-IDSC02/04	Recommendable replacement V600-CA5D02																																																																																																	
<p><b>Model V600-IDSC02/04</b></p> <p>(1) Parts Names</p>  <p><b>Note:</b> Above parts name is about V600-IDSC04. About V600-IDSC02, the Read/Write Head Ports are 2 ports.</p> <p>(2) RS-232C Port</p> <table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <thead> <tr> <th>Item</th> <th>Specifications</th> </tr> </thead> <tbody> <tr> <td>Communications method</td> <td>Halt-duplex serial</td> </tr> <tr> <td>Baud rate</td> <td>9,600 / 38,400bps</td> </tr> <tr> <td>Data length</td> <td>8 bits</td> </tr> <tr> <td>Stop bit length</td> <td>1 bits</td> </tr> <tr> <td>Parity</td> <td>None</td> </tr> <tr> <td>Cable length</td> <td>15m max.</td> </tr> </tbody> </table> <table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <thead> <tr> <th rowspan="2">Pin No.</th> <th rowspan="2">Symbol</th> <th colspan="2">Signal direction</th> <th rowspan="2">Signal name</th> </tr> <tr> <th>Input</th> <th>Output</th> </tr> </thead> <tbody> <tr> <td>2</td> <td>SD</td> <td>-</td> <td>o</td> <td>Send data</td> </tr> <tr> <td>3</td> <td>RD</td> <td>o</td> <td>-</td> <td>Receive data</td> </tr> <tr> <td>4</td> <td>RS</td> <td>-</td> <td>o</td> <td>Request to send</td> </tr> <tr> <td>5</td> <td>CS</td> <td>o</td> <td>-</td> <td>Clear to send</td> </tr> <tr> <td>6</td> <td>5VDC</td> <td>-</td> <td>o</td> <td>Power Supply(*1)</td> </tr> <tr> <td>9</td> <td>SG</td> <td>-</td> <td>-</td> <td>Signal ground</td> </tr> </tbody> </table> <p>(*1): This is unnecessary for V600 system.</p> 	Item	Specifications	Communications method	Halt-duplex serial	Baud rate	9,600 / 38,400bps	Data length	8 bits	Stop bit length	1 bits	Parity	None	Cable length	15m max.	Pin No.	Symbol	Signal direction		Signal name	Input	Output	2	SD	-	o	Send data	3	RD	o	-	Receive data	4	RS	-	o	Request to send	5	CS	o	-	Clear to send	6	5VDC	-	o	Power Supply(*1)	9	SG	-	-	Signal ground	<p><b>Model V600-CA5D02</b></p> <p>(1) Parts Names</p>  <p>(2) RS-232C Port</p> <table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <thead> <tr> <th>Item</th> <th>Specifications</th> </tr> </thead> <tbody> <tr> <td>Communications method</td> <td>Halt-duplex serial</td> </tr> <tr> <td>Baud rate</td> <td>1,200 / 2,400 / 4,800 / 9,600 / 19,200 / 38,400bps</td> </tr> <tr> <td>Data length</td> <td>7 / 8 bits</td> </tr> <tr> <td>Stop bit length</td> <td>1 / 2 bits</td> </tr> <tr> <td>Error detection</td> <td>Parity (even / odd / none)</td> </tr> <tr> <td>Cable length</td> <td>15m max.</td> </tr> </tbody> </table> <table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <thead> <tr> <th rowspan="2">Pin No.</th> <th rowspan="2">Symbol</th> <th colspan="2">Signal direction</th> <th rowspan="2">Signal name</th> </tr> <tr> <th>Input</th> <th>Output</th> </tr> </thead> <tbody> <tr> <td>2</td> <td>SD</td> <td>-</td> <td>o</td> <td>Send data</td> </tr> <tr> <td>3</td> <td>RD</td> <td>o</td> <td>-</td> <td>Receive data</td> </tr> <tr> <td>4</td> <td>RS</td> <td>-</td> <td>o</td> <td>Request to send</td> </tr> <tr> <td>5</td> <td>CS</td> <td>o</td> <td>-</td> <td>Clear to send</td> </tr> <tr> <td>9</td> <td>SG</td> <td>-</td> <td>-</td> <td>Signal ground</td> </tr> </tbody> </table> 	Item	Specifications	Communications method	Halt-duplex serial	Baud rate	1,200 / 2,400 / 4,800 / 9,600 / 19,200 / 38,400bps	Data length	7 / 8 bits	Stop bit length	1 / 2 bits	Error detection	Parity (even / odd / none)	Cable length	15m max.	Pin No.	Symbol	Signal direction		Signal name	Input	Output	2	SD	-	o	Send data	3	RD	o	-	Receive data	4	RS	-	o	Request to send	5	CS	o	-	Clear to send	9	SG	-	-	Signal ground
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## Characteristics

Item	Product discontinuation		Recommended replacement
	V600-IDSC02	V600-IDSC04	V600-CA5D02
Supply voltage (power consumption)	24VDC (19.2VDC to 28.8VDC) 50W max.		24VDC +10%/-15% (15W max., 0.8A max.)
Ambient operating temperature	0°C to +55°C (with no icing)		-10°C to +55°C (with no icing)
Ambient operating humidity	10 to 90%RH (with no condensation)		25 to 85%RH (with no condensation)
Ambient storage temperature	-20°C to +75°C (with no icing)		-25°C to +65°C (with no icing)
Ambient storage humidity	10 to 90%RH (with no condensation)		25 to 85%RH (with no condensation)
Insulation resistance	20MΩ min. at 500VDC between power supply terminals and ground terminal		20MΩ min. at 500VDC - between power supply terminals and ground / casing - between ground terminal and terminals
Dielectric strength	For all combinations given above; 1,000VAC (50/60Hz) for 1 minute, leakage current : 10mA max.		For all combinations given above; 1,000VAC (50/60Hz) for 1 minute leakage current : 10mA max.
Vibration resistance	10 to 57Hz : 0.075mm double amplitude 57 to 150Hz : 9.8m/s <sup>2</sup> in X, Y, and Z directions 10 sweeps each for 8 minutes		10 to 150Hz, 0.2mm double amplitude at 15m/s <sup>2</sup> in X, Y and Z directions 10 sweeps each for 8 minutes
Shock resistance	147m/s <sup>2</sup> , 3 times in 6 directions (X, Y, Z)		150m/s <sup>2</sup> , 3 times in 6 directions (X, Y, Z)
Material	ABS / PC resin		PC+ABS resin

Item	Product discontinuation		Recommended replacement
	V600-H12, V600-H12-R		V600-H11, V600-H11-R
Communication frequency	530kHz		
Ambient operating temperature	-25°C to +70°C (with no icing)		-10°C to +60°C (with no icing)
Ambient operating humidity	35 to 95%RH (with no condensation)		
Ambient storage temperature	-40°C to +85°C (with no icing)		-25°C to +75°C (with no icing)
Ambient storage humidity	35 to 95%RH (with no condensation)		
Insulation resistance	50MΩ min. at 500VDC between connector terminals and casing		
Dielectric strength	For all combinations given above; 1,000VAC (50/60Hz) for 1 minute, leakage current : 1mA max.		
Degree of protection	IP67 (IEC60529 standard) IP67g (JEM standard)		
Vibration resistance	10 to 500Hz, 1.0mm double amplitude at 150m/s <sup>2</sup> in X, Y and Z directions 3 sweeps each for 11 minutes		
Shock resistance	500m/s <sup>2</sup> , 3 times in 6 directions (X, Y, Z)		
Material	ABS / Epoxy resin		

## Operation ratings

Product discontinuation V600-H12 series			Recommendable replacement V600-H11 series			
<b>Communication distance</b>						
Read/Write Head	Conditions of Data Carrier		Communication distance (mm) (Axis offset: $\pm 10$ mm)			
			V600-D8KR11	V600-D8KR12	V600-D8KR13	V600-D8KR04
V600-H12 V600-H12-R	stoppage	in metal	10 to 40	5 to 25	10 to 35	See fig.(a)
		on metal	15 to 45	10 to 30	15 to 40	
	move	in metal	20 to 40	15 to 25	20 to 35	
		on metal	25 to 45	20 to 30	25 to 40	
V600-H11 V600-H11-R	stoppage	in metal	10 to 50	5 to 40	10 to 30	See fig.(b)
		on metal	10 to 55	5 to 45	10 to 30	10 to 65
	move	in metal	30 to 50	25 to 40	15 to 30	See fig.(b)
		on metal	30 to 55	25 to 45	15 to 30	30 to 65

(Reference Data)

(Axis offset:  $\pm 0$ mm)

Fig.(a):V600-H12 and V600-D8KR04

(Axis offset:  $\pm 0$ mm)

Fig.(b):V600-H11 and V600-D8KR04