Business 430-16056
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Attn: Distributors and Sales Companies

HIROSE ELECTRIC CO., LTD.

5-23, OSAKI 5-CHOME, SHINAGAWA-KU, TOKYO, JAPAN

Notice of Sales Consolidation to DF60 Series with High Current Specification

Hirose would like to take this opportunity to thank you sincerely for your support, and we hope this letter finds you well and prosperous.
We are writing today to inform you that we decided to consolidate the sales of the following products to DF60 series with high current specification. We sincerely apologize for any inconvenience this may cause.
We request that you kindly offer your consent to this matter.

1. Product Series for Sales Restriction and Series after Sales Consolidation

Product Series for Sales Restriction Names of Existing Products	Product Series after Sales Consolidation Names of Products with High Current Specification
DF60-*P-10.16DSA(26)	DF60-*P-10.16DSA(27)
DF60-*P-10.16DSA(35)	DF60-*P-10.16DSA(45)
DF60R-*P-10.16DSA(26)	DF60R-*P-10.16DSA(27)
DF60-*P-10.16DS(26)	DF60-*P-10.16DS(27)
DF60R-*P-10.16DS(26)	DF60R-*P-10.16DS(27)
DF60-8PCFA	DF60-8PCFA(07)
DF60-1012PCFA	DF60-1012PCFA(07)

2. Reason for Change
To increase the rated current by making products with high-current specification the standard products.

3. Descriptions of Change
(1) Change in terminal material and specification number

Product series for sales restriction Existing products		Product series after sales consolidation Products with high current specification		Notes	
Product name	Terminal material	Product name	Terminal material	Housing color	Guide key position
DF60-*P-10.16DSA(26)	Brass	DF60-*P-10.16DSA(27)	Tough pitch copper	Black	Left side
DF60-*P-10.16DSA(35)	Brass	DF60-*P-10.16DSA(45)	Tough pitch copper	Red	Left side
DF60R-*P-10.16DSA(26)	Brass	DF60R-*P-10.16DSA(27)	Tough pitch copper	Gray	Right side
DF60-*P-10.16DS(26)	Brass	DF60-*P-10.16DS(27)	Tough pitch copper	Black	Left side
DF60R-*P-10.16DS(26)	Brass	DF60R-*P-10.16DS(27)	Tough pitch copper	Gray	Right side
DF60-8PCFA	Copper alloy	DF60-8PCFA(07)	Tough pitch copper	Applicable cable: AWG #8	
DF60-1012PCFA	Copper alloy	DF60-1012PCFA(07)	Tough pitch copper	Applicable cable: AWG #10-#12	

(2) Crimp height
Although there will be no change with crimp tools (applicator, hand tools), applicable crimp height will be changed due to difference in the extensibility of terminal materials.
Please see the crimp condition sheet for details.

UL, C-UL, and TUV certifications are also obtained for products with high-voltage specification.
There will be no change in the mount board pattern or crimp sockets of mating counterpart, realizing compatibility.

4. Difference in Performance from Existing Products

(1) Rated current

The rated current will be increased.

Rated current of existing products

Number of pins	AWG8	AWG10	AWG12
1	45A	38A	30A
2	40A	31A	26A
3	40A	31A	26A
4-6	38A	30A	25A

Rated current of products with high current specification

Number of pins	AWG8	AWG10	AWG12
1	50A	40A	31A
2	45A	35A	28A
3	42A	34A	28A
4-6	42A	33A	27A

(2) Tensile strength of crimp terminal for relay plug

Tensile strength of the crimp terminal for relay plug will be decreased.

Cable size	Existing products		Products with high voltage specification	
	Product name	Tensile strength	Product name	Tensile strength
AWG8	DF60-8PCFA	401N min	DF60-8PCFA(07)	300N min
AWG10	DF60-1012PCFA	401N min	DF60-1012PCFA(07)	270N min
AWG12	DF60-1012PCFA	313N min	DF60-1012PCFA(07)	270N min

The above tensile strength is much higher than the strength required for the lock strength after connectors are mated (forced extraction of connector in a locked state); therefore, there is no effect on or change in product strength in a mated state.

(Example: One cable – actual measured lock strength: Approx. 135 N)

There is no change in product performance other than the above.

5. Date of Implementation

DF60 series with high voltage specification are already available for order.