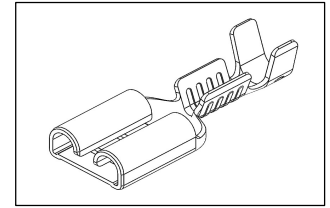


**Product Information**

Product Type: Straight  
 Series: 6.3 (.250) Type Series  
 Product Name: SF1DK  
 Product Code: 0XXXX04009  
 Tab Size: 6.3x0.8 mm  
 Wire Size: 0.50-1.00 mm<sup>2</sup>



**Product Codes**

Product Code	Product Name	Approvals	Material	Plating	Maximum Temperature (°C)	Max. Contact Resistance with Min. Wire Size (mΩ)
0100104009	SF1DK RP <sup>2</sup>	UL, DVE	Brass	-	110 °C	0.75
0101104009	SF1DK RPK <sup>1</sup>	UL, DVE	Brass	Post-Tin	120 °C	0.50
0103104009	SF1DK RPG <sup>2</sup>	-	Brass	Post-Silver	130 °C	*
0300104009	SF1DK RF <sup>2</sup>	-	Bronze	-	120 °C	0.95
0301104009	SF1DK RFK <sup>2</sup>	-	Bronze	Post-Tin	130 °C	*
0303104009	SF1DK RFG <sup>2</sup>	-	Bronze	Post-Silver	150 °C	*
0502104009	SF1DK RCN <sup>3</sup>	-	Steel	Post-Nickel	300 °C	0.60
0540104009	SF1DK RHN <sup>3</sup>	-	Steel	Pre-Nickel	300 °C	1.00

\* These values will be measured.

**Insertion / Withdrawal Forces**

	1	2	3
1. Insertion (Max.):	30N	45 N	60 N
1. Withdrawal (Max.):	60 N	60 N	60 N
1. Withdrawal (Min.):	25 N	25 N	25 N
6. Withdrawal (Min.):	18 N	18 N	18 N

\* Product names are grouped according to be <sup>1, 2, 3</sup>.

**Crimp Pull-Out Force**

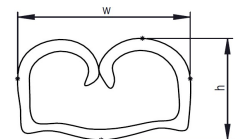
	1. Pull Out Force		
	0.50 mm <sup>2</sup>	0.75 mm <sup>2</sup>	1.00 mm <sup>2</sup>
Min. Values	56 N Min.	84 N Min.	108 N Min.

**Current Carrying Capacity**

Wire Section	Current Carrying Capacity max. A
0.50 mm <sup>2</sup>	8
0.75 mm <sup>2</sup>	11
1.00 mm <sup>2</sup>	15

**Crimp Data\***

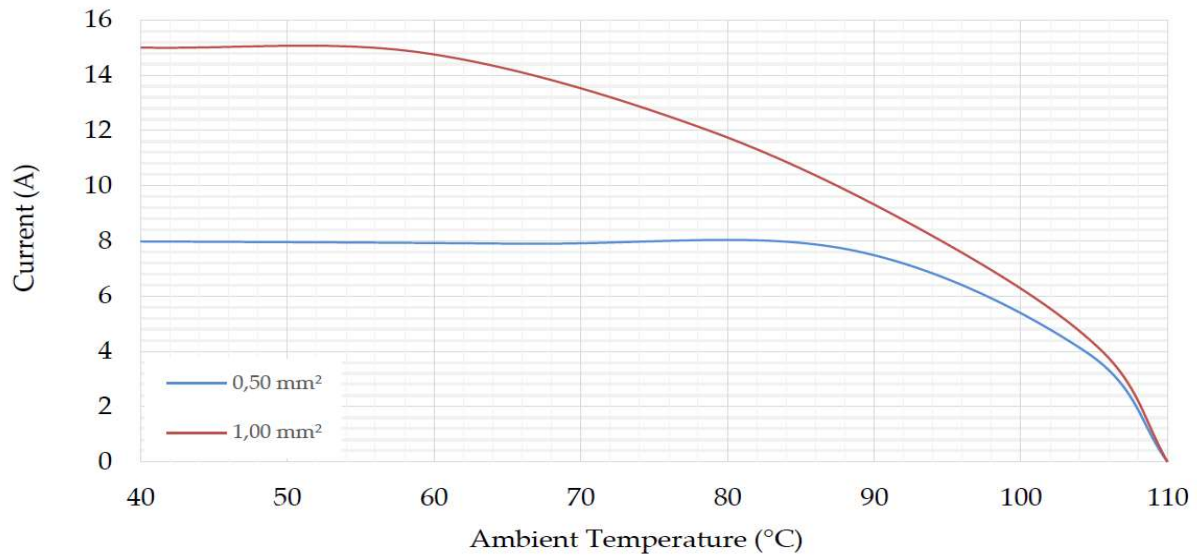
Wire Size	Height (h) (mm)		Width (w) (mm)	
	Wire	Insulator	Wire	Insulator
0.50 mm <sup>2</sup>	1.48 ±0.05	2.75 ±0.05	2.53 ±0.10	3.55 ±0.10
0.75 mm <sup>2</sup>	1.53 ±0.05	2.79 ±0.05	2.54 ±0.10	3.55 ±0.10
1.00 mm <sup>2</sup>	1.58 ±0.05	2.82 ±0.05	2.55 ±0.10	3.55 ±0.10



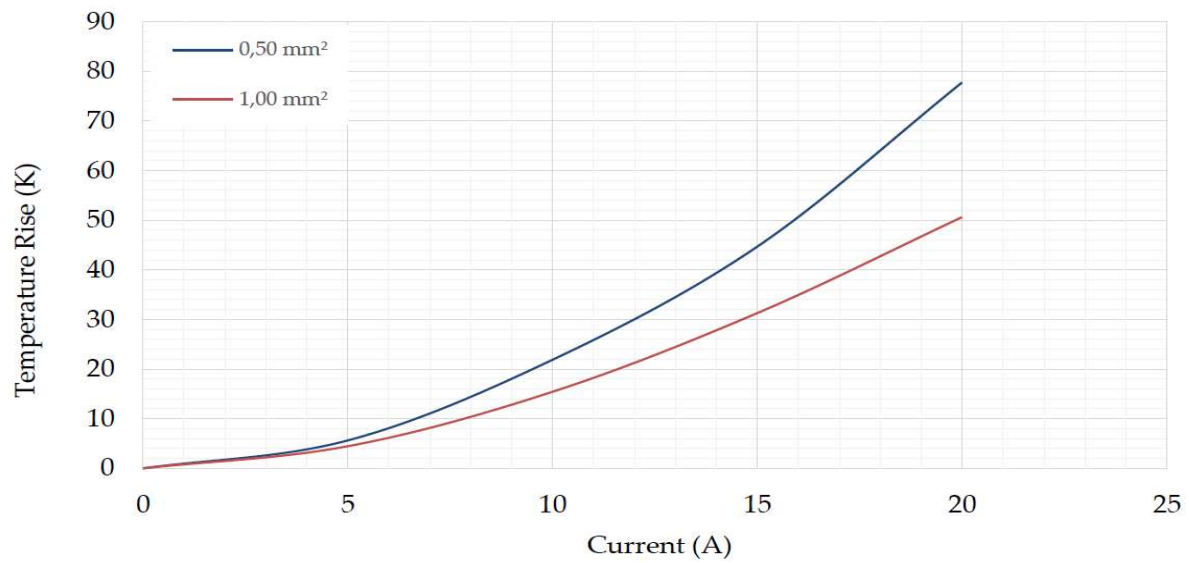
\*These values are valid with Hatko applicators and crimpers.

F05.067 REV.0

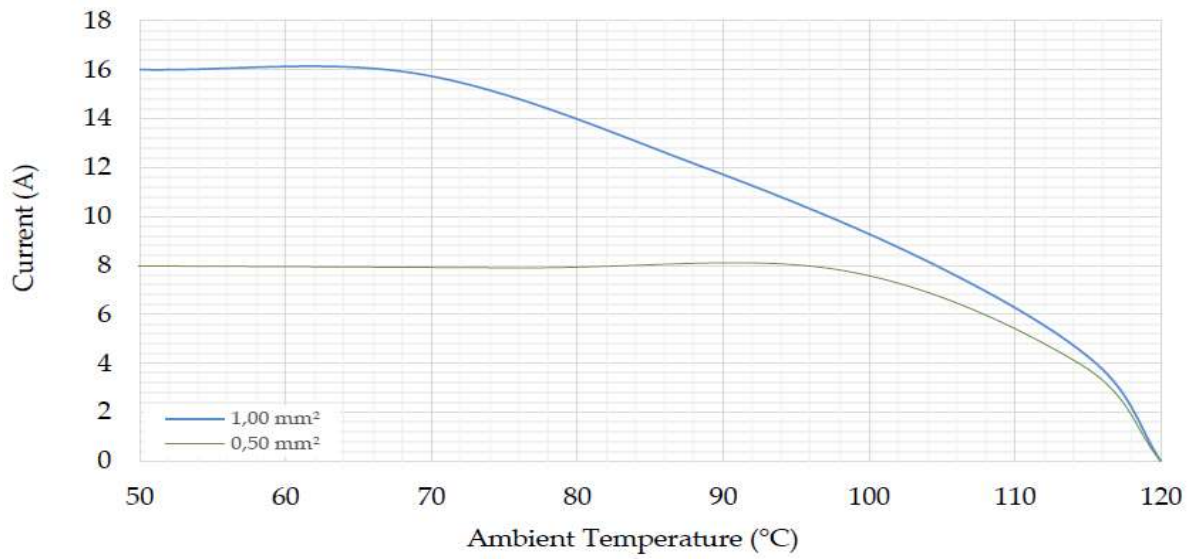
Current Carrying Capacity & Derating Curve



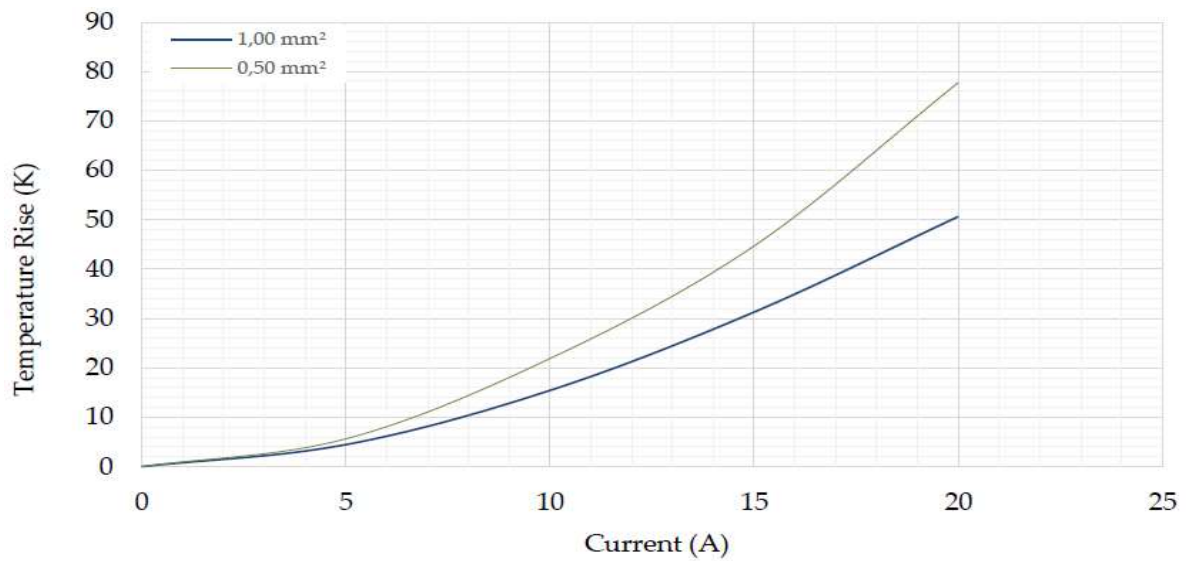
Temperature Rise Curve



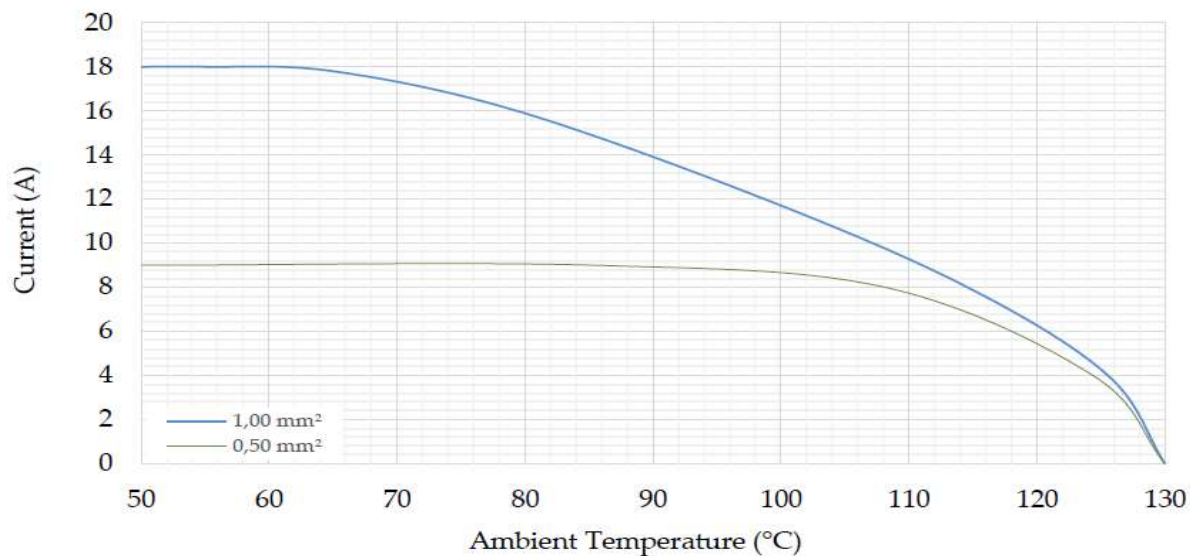
Current Carrying Capacity & Derating Curve



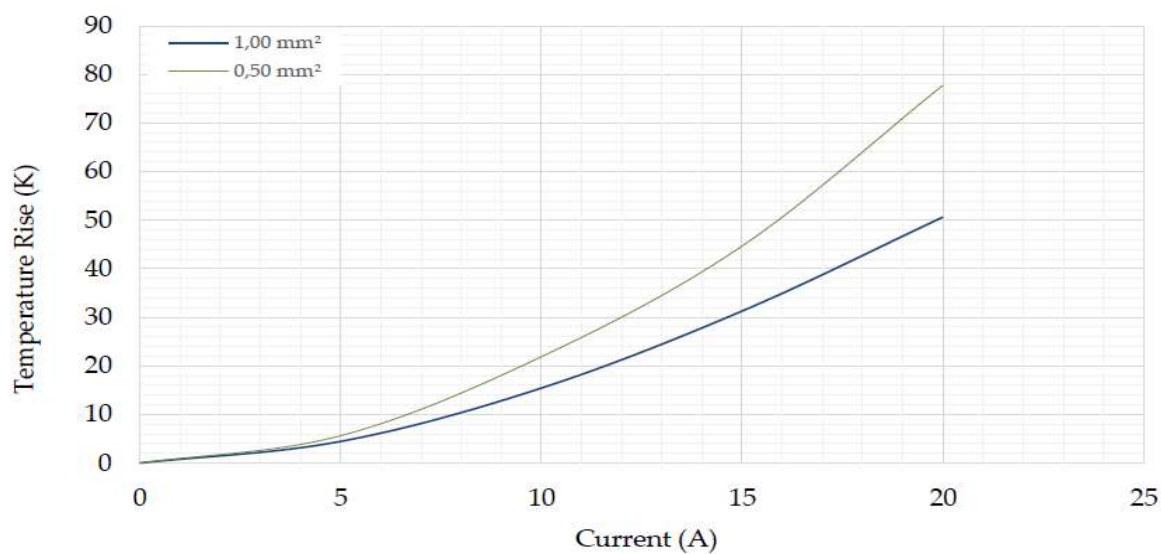
Temperature Rise Curve



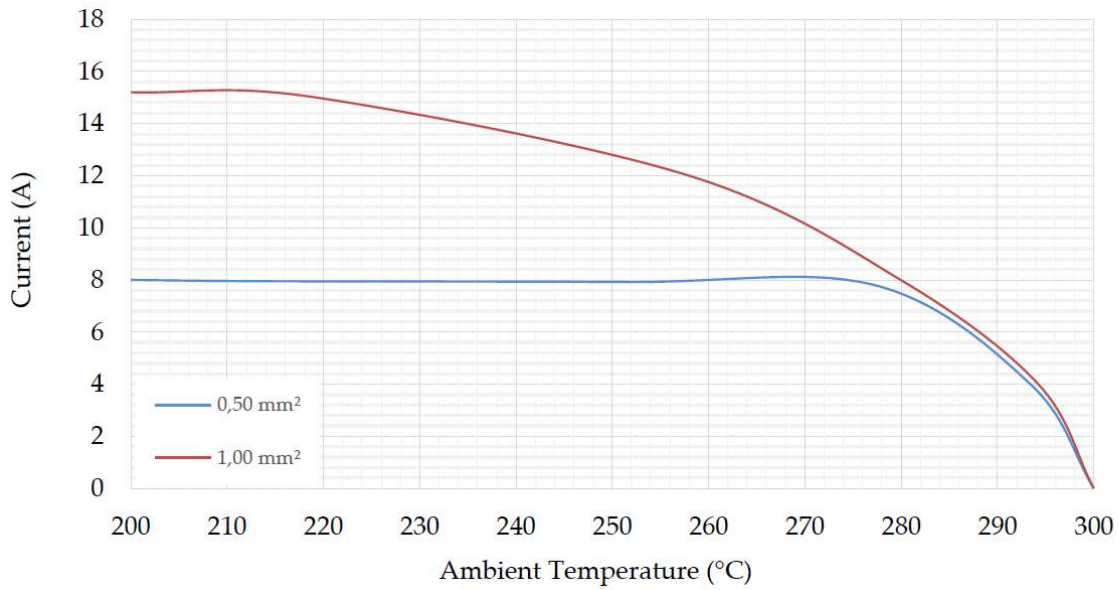
Current Carrying Capacity & Derating Curve



Temperature Rise Curve



Current Carrying Capacity & Derating Curve



Temperature Rise Curve

