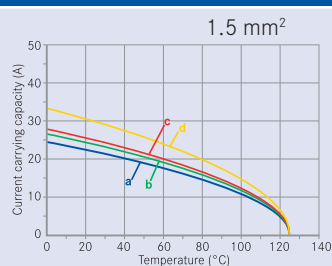
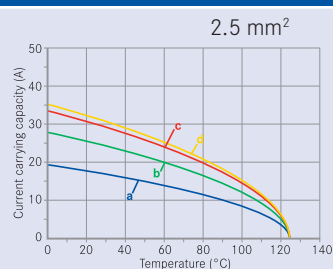


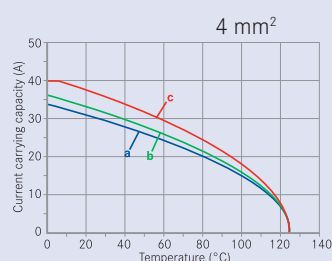
General Characteristics	Standard	Value
Number of contacts		3
Termination technique		crimp
Wire gauge		1.5 - 10 mm ² (AWG 16 - 8)
Flammability	UL 94	V-0
Electrical Characteristics		
Rated voltage	IEC 60664-1	1000 V ¹⁾
Pollution degree	IEC 60664-1	3
Installation (overvoltage) category	IEC 60664-1	III
Material group	IEC 60664-1	II
Rated impulse withstand voltage	IEC 60664-1	8.0 kV
Current carrying capacity	IEC 60512-5-2	see derating curves
Contact resistance	IEC 60512-2-1	≤ 1 mΩ
Insulation resistance	IEC 60512-3-1	≥ 10 ¹⁰ Ω
Climatical Characteristics		
Climatic category	IEC 60068-1	40 / 125 / 21
Upper temperature	IEC 60512-11-9	+ 125 °C
Lower temperature	IEC 60512-11-10	- 40 °C
Mechanical Characteristics		
IP-degree of protection	IEC 60529	20
Mechanical operation	IEC 60512-9-1	≥ 500 mating cycles
Materials		
Module		PA 6.6 GF
Colour module		black
Contacts		Cu-alloy
Contact plating		Ag (silver)

Derating Curves


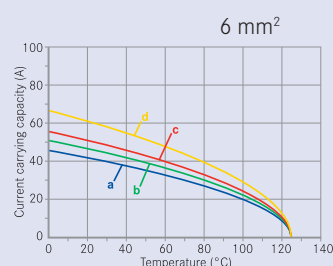
Curve	Frame
a	7 Modules
b	3 Modules
c	2 Modules
d	1 Modules



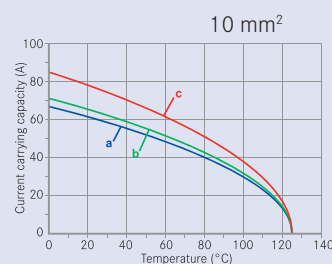
Curve	Frame
a	7 Modules
b	3 Modules
c	2 Modules
d	1 Modules



Curve	Frame
a	7 Modules
b	3 Modules
c	1 Modules

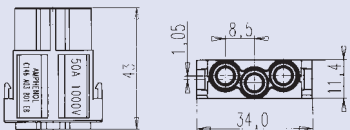
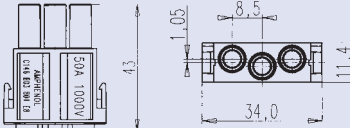


Curve	Frame
a	5-7 Modules
b	3 Modules
c	2 Modules
d	1 Modules



Curve	Frame
a	3-7 Modules
b	2 Modules
c	1 Modules

heavy|mate® M 3 contacts module + crimp contacts

Description	Part Number	Drawing	Figure
3 contacts module (Please order contacts separately)			
Pin module	C146 A03 801 E8		
Socket module	C146 B03 801 E8		

Supplied as	for wire gauge	AWG	Pieces	Part Number		Figure
				Male contact	Female contact	
Turned 3.6 mm crimp contacts (All contacts 2mm first-to-mate to other modules)						
	1.5 mm ²	16	100	VN01 036 0004 (1)C	VN02 036 0004 (1)C	
	2.5 mm ²	14	100	VN01 036 0005 (1)C	VN02 036 0005 (1)C	
	4.0 mm ²	12	100	VN01 036 0001 (1)C	VN02 036 0001 (1)C	
	6.0 mm ²	10	100	VN01 036 0002 (1)C ¹⁾	VN02 036 0002 (1)C ¹⁾	
	10.0 mm ²	8	100	VN01 036 0003 (1)C ¹⁾	VN02 036 0003 (1)C ¹⁾	

Tools				
Description	for wire gauge	Part Number		
		Contact locator	Crimping dies	Tool
Removal tool for contacts	-	-	-	FG 0300 146 3
Removal tool for modules	-	-	-	FG 1000 146
Crimping tool for single contacts	1.5 – 2.5 mm²	TA 0010 146 000 2	TA 0000 144	TA 0000
	4.0 mm²	TA 0010 146 000 4	TA 0000 124	
	6.0 mm²	TA 0010 146 000 4	TA 0000 124	
4-ondet crimping tool ²⁾	1.5 –10.0 mm²	-	-	TB 0200 146
Crimping tool for cable lugs	6.0 mm²	-	TA 0000 180	TA 0000
	10.0 mm²			
Cable lugs for PE connection			Pieces	Part Number
Cable lug	6.0 mm²	-	20	N15 006 000 9Z
	10.0 mm²		20	N15 010 000 7Z
Further tools see catalogue “Tools”				