Product data

Product code	Product name	$I_{n\,Al}$	$I_{n\,Cu}$	U_n	US specific		
					$I_{max\,Al}$	$I_{max\,Cu}$	U_{max}
VC06-0019	Device connector 1xAl/Cu 6-50	100 A	160 A	690 V	-	-	-
VC06-0014	Device connector 1xAl/Cu 6-50 M	100 A	160 A	690 V	-	-	-
VC06-0039	Device connector 1xAl/Cu 6-50 L	100 A	160 A	690 V	-	-	-
VC06-0038	Device connector 1xAl/Cu 6-50 R	100 A	160 A	690 V	-	-	-
VC06-0037	Device connector 1xAl/Cu 6-50 ML	100 A	160 A	690 V	-	-	-
VC06-0036	Device connector 1xAl/Cu 6-50 MR	100 A	160 A	690 V	-	-	-

Installation

Certification and approval	Grey Housing RAL 7035/PA66, Tin plated Aluminium



VC06-0036
VC06-0038



VC06-0014
VC06-0019



VC06-0037
VC06-0039

Device connector is a universal terminal series for connecting aluminium and copper conductors to equipment. Body is made of tin plated aluminium and housing is made of polyamide (V0). Connectors are IP20.

Installation instructions made by the manufacturer of specific device must be applied during the installation.

M = Model has input space for measurement connector

CE RoHS

Connection

Screw

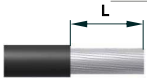


Screw	23
SW	5
Screw measurement	M10
SW measurement	5

Tightening torque **M**	6-10 mm²	**6 Nm**
	16-50 mm²	**10 Nm**
	(measurement) Cu 0,75-2,5 mm²	**1-2 Nm**

Conductor range	**1xAl/Cu 6-50 mm²**
Max. wire cross section	**50 mm²**

Stripping length L_1	**23 mm**
Stripping length L_2	**5 mm**

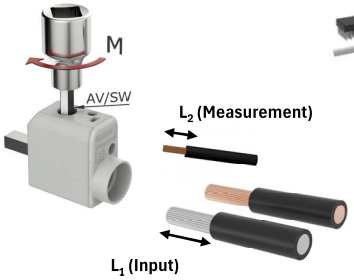


Copper conductors	Aluminium conductors	Supported IEC 60228 -conductors	Sector shaped cable
Max. 3 X CU / Conductor contact space	1 X AL / Conductor contact space	Class 5 & 6 (fine stranded) Using ferrule is recommended	
≤ 50 mm² total	Anti-corrosion paste: e.g. Penetrox	Class 1 & 2 (solid and stranded)	Pre-round the cable

Conductor installation

Remove any oxide layer by brushing with a brass or a steel brush.

Use protective grease (e.g. Penetrox) and brush grease on the contact surfaces of the conductor.



Can be used for both **copper- or aluminium conductors.** With the aluminium conductors, it's recommended to use anti-corrosion paste. (e.g. Penetrox).

It is allowed to use max. amount of three adjacent cross-sections in one space (Copper conductors). The nominal max. cross-section value must not be exceeded.

When using aluminium conductors, it is allowed to use only one conductor / space.

We recommend a ferrule when using a fine-stranded conductor.

Support connector during tightening the screws.
Ensure the torque after tightening, tighten twice if necessary.
Connector must be installed so that conductors are relieved from strain.

Attention!

The installation must always be done in accordance with the international standard in compliance with national legislation.

Each protective or neutral conductor must have their own conductor space.
SFS 6000-7-729

Cross section and max. number of Cu- conductors / contact space (Al- conductors in parenthesis)

1,5 mm²	2,5 mm²	6 mm²	10 mm²	16 mm²	25 mm²	35 mm²	50 mm²
-	-	**3**	**3**	**3 (1)**	**2 (1)**	**1 (1)**	**1 (1)**

The specified max. amount of conductors refers only to industrially installed terminals.

70 mm²	95 mm²	120 mm²	150 mm²	185 mm²	240 mm²	300 mm²	400 mm²
-	-	-	-	-	-	-	-

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