

**AVK 16**

Ordering Information	
Grey	304 160
Beige	304 169
Color Codes	
Blue ... (1) - Green ... (2) - Yellow ... (3) - Red ... (4) - Black ... (5) - White ... (6) - Orange ... (7)	
Technical data	
Number of levels	1
Number of connections	2
Insulating material	PA
Inflammability class according to UL 94	V2
Packing Unit	50 pcs.
Maximum load current	101 A (with 25 mm² conductor cross section)
Rated surge voltage	8 Kv
Pollution degree	3
Surge voltage category	III
Insulating material group	I
Connection in acc. with standard	IEC 60947-7-1
Nominal current IN	76 A (at 16 mm²)
Nominal voltage UN	750 V
Continuous Operating Temp. Max.	120 °C
Continuous Operating Temp. Min.	-55 °C
Dimensions	
Width	12,00 mm
Length	51,00 mm
Height MR 35x7,5	55,40 mm
Height MR 35x15	62,90 mm
Connection data	
Connection method	Screw connection
Conductor cross section solid min.	2,5 mm²
Conductor cross section solid max.	25 mm²
Conductor cross section AWG/kcmil min.	14 AWG
Conductor cross section AWG/kcmil max.	4 AWG
Conductor cross section stranded min.	4 mm²
Conductor cross section stranded max.	25 mm²
Conductor cross section stranded sleeve min.	2,5 mm²
Conductor cross section stranded sleeve max.	16 mm²
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, min.	1,5 mm²
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, max.	10 mm²
Minimum stripping length	12 mm
Maximum stripping length	14 mm
Internal cylindrical gage	B7
Tightening torque, min	1,2 Nm
Tightening torque max	2,0 Nm
Approvals	
CSA	
mm²/AWG	
Nominal current IN	
Nominal voltage UN	
cULus	
mm²/AWG	AWG 12-4
Nominal current IN	85 A
Nominal voltage UN	600 V
VDE	
mm²/AWG	16 mm²
Nominal current IN	76 A
Nominal voltage UN	750 V
ATEX	
Nominal current IN	71A
Nominal voltage UN	630V



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Accessory				
		Type	Order No	Pcs.
End Plate				
Grey		NPP / AVK 16	444 160	100
Beige		NPP / AVK 16	444 169	100
Seperator				
Grey		APP / AVK 16	462 160	25
Beige		APP / AVK 16	462 169	25
End Block				
Grey		KD 3	495 049	100
Grey		KD 4	495 059	100
Grey		KD 7	495 219	50
Mounting Rails				
		MR 35x7,5 (1mt)	500 601	20
		MR 35x7,5 SLOTTED (1mt)	500 602	20
		MR 35x15 (1mt)	500 606	10
		MR 35x15 SLOTTED (1mt)	500 607	10
Cross Connection				
		UK 16/2 76A Max.	474 162	25
		UK 16/3 76A Max.	474 163	20
		UK 16/4 76A Max.	474 164	15
		UK 16/10 76A Max.	474 169	5
Test Plug				
		TF Ø4	493 050	10
Test Socket				
		TSK 8 (Ø4)	490 080	5
Warning Label				
		IP 25	498 130	25
		IP 2	498 140	25
Marking				
		DG 10/10	505 430	200
Screwdriver				
		IKT5 (1,0x5,5)	561 050	10