MENNEKES
MY POWER CONNECTION

Plug
AM-TOP

Part number: 281



MENNEKES
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Version Aug 19 2026 Subject to change without notice. No liability accepted for printing errors.

Product Description

- screw connection technology
- single part body
- protection against kinking
- strain relief
- cable gland and sealing

Technical Details

Plug AM-TOP	281
Product serie	AM-TOP
Ampere	16A
Number of poles	4p
Clock position	9h
Nominal voltage AC	230V
Nominal frequency	50 - 60 Hz
Protection type IP	IP67
Contact carrier	standard
Connection	screw terminals
Contact screw drive	PZ2, slot
Tightening torque connection terminal for cable cross-section 1,0 - 1,5 mm^2	0.6 Nm
Tightening torque connection terminal for cable cross-section 2,5 - 4,0 mm^2	0.8 Nm
Recommended wire end treatment for supply cable connection terminal	ferrule square gasproof crimped
Strip length jacket	40 mm
Strip length conductor	8 - 10 mm
Phase inverter	without phase inverter
Pilot contact	without pilot contact
Conductor cross-section min.	1 mm^2
Conductor cross-section max.	2.5 mm^2
Cable kink protection	integrated in cable gland
Protective grommet	without protective grommet
Protective cap	without protective cap
Military version	no

Plug AM-TOP	281
Weight (net)	165 g
Packaging unit	10 pcs
Quantity per pallet	1520 pcs
EAN / identification number	4015394001935

Permissible ambient conditions		
	Min.	Max.
Permissible ambient temperature	-25 °C	40 °C

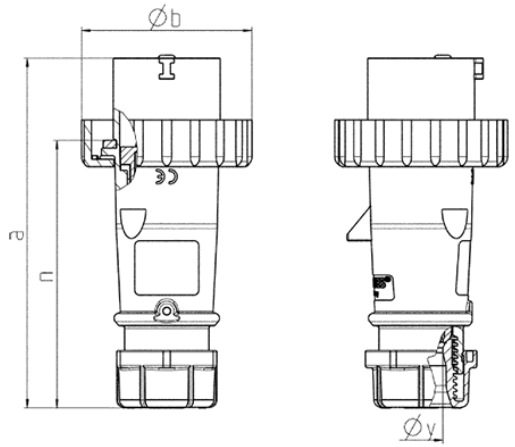
Material properties	
Housing	PA6 blue [similar RAL 5007]
Bayonet ring	PC/PET squirrel grey [similar RAL 7000]
Clamp basket	PA6 natural colour [no RAL colour code]
	TPE squirrel grey [similar RAL 7000]
Fastening	PA6 squirrel grey [similar RAL 7000]

Material resistance
The material resistance overview can be found on the website in the section “Knowledge” - “Product knowledge” - “Materials”.

Material and environmental properties	
RoHS 2011/65/EU incl. 2015/863/EU	✓
POP regulation (EU) 2019/1021	✓
Halogen-free	yes

Regulations and Standards	
Norm	DIN EN IEC 60309-2
Declaration of Conformity	CE
Test label	VDE, EAC, CQC

Dimensional Drawing



Drawing	Amp.	16			32		
2 MB 218	Poles	3	4	5	3	4	5
Dim. in mm	a	142	144	147	186	186	180
	b	70	78	87	94	94	101
	n	109	111	114	145	145	138
	y	14.5	16	16	22	22	22
Terminal for cond. cross		1	1	1	2.5	2.5	2.5
section (mm²) min.-max.		—2.5	—2.5	—2.5	—6	—6	—6