MENNEKES
MY POWER CONNECTION

Plug
AM-TOP

Part number: 21428ZA



MENNEKES
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Product Description

- screw connection technology
- single part body
- highly heat resistant contact carrier, nickel plated contacts
- protection against kinking
- strain relief
- cable gland and sealing

Technical Details

Plug AM-TOP	21428ZA
Product serie	AM-TOP
Ampere	32A
Number of poles	5p
Clock position	6h
Nominal voltage AC	400V
Nominal frequency	50 - 60 Hz
Protection type IP	IP44
Contact carrier	highly heat resistant contact carrier, nickel plated contacts
Connection	screw terminals
Contact screw drive	PZ2, slot
Tightening torque connection terminal for cable cross-section 2,5 - 4,0 mm^2	0.8 Nm
Tightening torque connection terminal for cable cross-section 6,0 mm^2	1.2 Nm
Recommended wire end treatment for supply cable connection terminal	ferrule square gasproof crimped
Strip length jacket	50 mm
Strip length conductor	12 - 17 mm
Phase inverter	without phase inverter
Pilot contact	without pilot contact
Conductor cross-section min.	2.5 mm^2
Conductor cross-section max.	6 mm^2
Cable kink protection	integrated in cable gland
Protective grommet	without protective grommet
Protective cap	without protective cap

Plug AM-TOP	21428ZA
Military version	no
Weight (net)	280 g
Packaging unit	10 pcs
Quantity per pallet	660 pcs
EAN / identification number	4015394205906

Permissible ambient conditions

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

Material properties

Housing	PA6 black [similar RAL 9005]
Clamp basket	PA6 natural colour [no RAL colour code]
	TPE natural colour [no RAL colour code]
Fastening	PA6 black [similar RAL 9005]

Material resistance

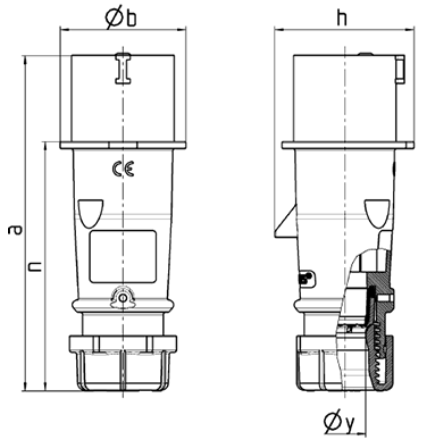
The material resistance overview can be found on the website in the section “Knowledge” - “Product knowledge” - “Materials”.

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	EAC

Dimensional Drawing



Drawing	Amp.	16			32		
2 MB 217	Poles	3	4	5	3	4	5
Dim. in mm	a	142	147	147	186	186	180
	b	53	59	67	70	70	77
	h	59	69.4	76	81	81	89.5
	n	105.2	110.5	110.5	141	141	135
	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