

Connector AM-TOP

Part number: 545



MENNEKES
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Product Description

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

Technical Details

Connector AM-TOP	545
Product serie	AM-TOP
Ampere	16A
Number of poles	4p
Clock position	7h
Nominal voltage AC	500V
Nominal frequency	50 - 60 Hz
Protection type IP	IP67
Contact carrier	standard
X-CONTACT	no
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 PH + N	8 - 10 mm
Strip length conductor PE	12 - 17 mm
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

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Protective grommet	without protective grommet
Militärausführung	nein
Weight (net)	222 g
Packaging unit	10 pcs
Quantity per pallet	840 pcs
EAN / identification number	4015394004011

Permissible ambient conditions

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

Material properties

Housing	PA6 black [similar RAL 9005]
Hinged lid	PA6 black [similar RAL 9005]
	TPE black [similar RAL 9005]
	PBT/PC 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	no

Regulations and Standards

Norm

DIN EN IEC 60309-2

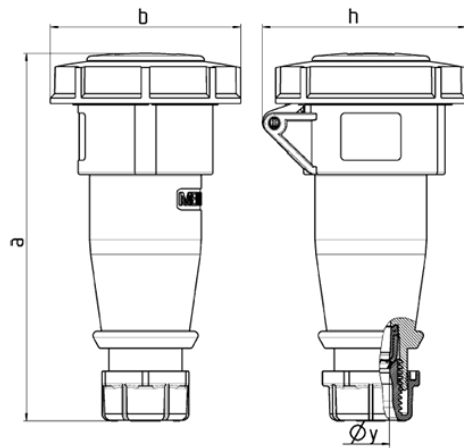
Declaration of Conformity

CE

Test label

EAC, CQC

Dimensional Drawing



Drawing 3 MB 62	Amp. Poles	16			32		
		3	4	5	3	4	5
Dim. in mm	a	146	166	172	212	212	213
	b	72	79	89	96	96	102
	h	80	88	95	98	98	105
	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