

Connector AM-TOP

Part number: 553



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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	553
Product serie	AM-TOP
Ampere	32A
Number of poles	3p
Clock position	9h
Nominal voltage AC	400V
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 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 PH + N	12 - 17 mm
Strip length conductor PE	12 - 17 mm
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

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Protective grommet	without protective grommet
Weight (net)	357 g
Packaging unit	10 pcs
Quantity per pallet	660 pcs
EAN / identification number	4015394004080

Permissible ambient conditions

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

Material properties

Housing	PA6 red [similar RAL 3013]
Hinged lid	PA6 red [similar RAL 3013]
	TPE black [similar RAL 9005]
	PBT/PC squirrel grey [similar RAL 7000]
Clamp basket	PA6 natural colour [no RAL colour code]
	TPE natural colour [no RAL colour code]
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”.

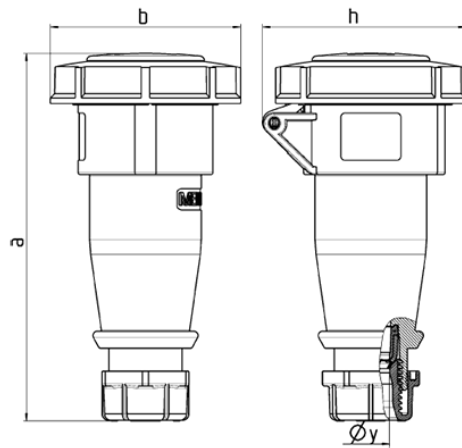
Material and environmental properties

RoHS 2011/65/EU incl. 2015/863/EU	✓
POP regulation (EU) 2019/1021	✓

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 (mm ²) min.-max.		—2.5	—2.5	—2.5	—6	—6	—6