

Connector PowerTOP Xtra R

Part number: 14644



MENNEKES
Elektrotechnik GmbH & Co. KG

Aloys-Mennekes-Straße 1
57399 Kirchhundem
GERMANY

www.MENNEKES.org

Product Description

- screw connection technology ErgoCONTACT
- economic enclosure design with nubbed grip areas
- enclosure with thread lock and safety slide
- rubberised bayonet ring
- highly heat resistant contact carrier, nickel plated contacts
- X-CONTACT
- sealed against dust, temporary submersion and high pressure cleaning
- protection against kinking
- strain relief
- rubberised cable gland with sealing
- area for self-adhesive labels

Technical Details

Connector PowerTOP Xtra R	14644
Product serie	PowerTOP Xtra R
Ampere	16A
Number of poles	5p
Clock position	7h
Nominal voltage AC	500V
Nominal frequency	50 - 60 Hz
Protection type IP	IP69, IP67
Contact carrier	highly heat resistant contact carrier, nickel plated contacts
X-CONTACT	yes
Connection	screw terminals - ErgoCONTACT
Contact screw drive	PZ2, slot
Tightening torque connection terminal	1.2 Nm
Recommended wire end treatment for supply cable connection terminal	ferrule square gasproof crimped
Strip length jacket	55 mm
Strip length conductor PH + N	10 mm
Strip length conductor PE	10 mm
Pilot contact	without pilot contact
Conductor cross-section min.	1 mm ²

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Conductor cross-section max.	2.5 mm ²
Cable kink protection	integrated in cable gland
Protective grommet	without protective grommet
Weight (net)	335 g
Packaging unit	10 pcs
EAN / identification number	4015394306054

Permissible ambient conditions

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

Material properties

Cover	PA6 squirrel grey [similar RAL 7000]
Front part	PA6 black [similar RAL 9005] TPE black [similar RAL 9005]
Hinged lid	PA6 black [similar RAL 9005] TPE black [similar RAL 9005] PBT/PC squirrel grey [similar RAL 7000] TPE anthracite [similar RAL 7016]
Clamp basket	PA6 natural colour [no RAL colour code] TPE squirrel grey [similar RAL 7000]
Fastening	PA6 squirrel grey [similar RAL 7000] TPE anthracite [similar RAL 7016]

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	✓
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Material and enviromental properties

POP regulation (EU) 2019/1021

✓

Regulations and Standards

Norm

DIN EN IEC 60309-2

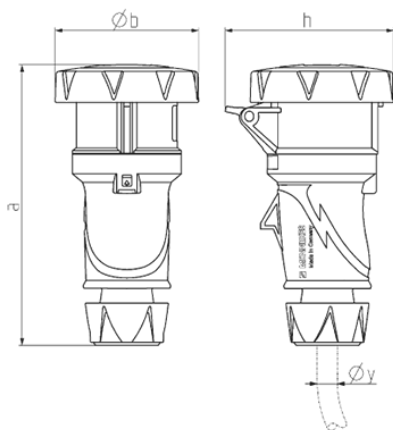
Declaration of Conformity

CE

Test label

CB Zertifikat, VDE

Dimensional Drawing



Drawing 3 MB 82	Amp. Poles	16			32		
		3	4	5	3	4	5
Dim. in mm	a	167	177	179	213	213	214
	b	73	82	89	97	97	103
	h	89	99	105	109	109	115
y min. from		7	8	8	10.5	10.5	13.5
to max. mm		-13	-15.5	-15.5	-18	-18	-20
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