

Connector PowerTOP Xtra R

Part number: 14645



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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	14645
Product serie	PowerTOP Xtra R
Ampere	16A
Number of poles	5p
Clock position	10h
Nominal voltage AC	50 - 500V
Nominal frequency	100 - 300 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
Quantity per pallet	1120 pcs
EAN / identification number	4015394307600

Permissible ambient conditions

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

Material properties

Cover	PA6 squirrel grey [similar RAL 7000]
Front part	PA6 green [similar RAL 6010]
	TPE black [similar RAL 9005]
Hinged lid	PA6 green [similar RAL 6010]
	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 enviromental 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	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 (mm²) min.-max.		-2.5	-2.5	-2.5	-6	-6	-6