product data sheet

item no. 96.031.4451.4

connector RST20I3S B1 ZRWS L BR01

RST® CLASSIC connector, straight, number of poles 3, female, connection type screw connection, rated voltage 50 V / 120 V, rated current 20 A, cable diameter 5.3 - 13.3 mm, illumination cable (13.3x5.3), color of coding/ contact carrier signal brown



item no.	96.031.4451.4
EAN	4049088633850
order unit	100 piece(s)

certificates / approvals

technical data

note

note	RST® terminals with screw clamping allow the connection of conductors without special preparation (without ferrules) according to EN 60999-1.

general

rated current	20 A
rated voltage	50 V / 120 V
rated impulse voltage	4 kV
strain relief	yes
pollution degree	3
lockable	self-locking (unlocking by tool)
color of coding/ contact carrier	signal brown
Pole codification	1, 2, PE
color of housing inclusive strain relief	black
RAL-Nummer Codierung/Kontakteinsatz	8002

connection data

cable diameter max.	13.3 mm
cable diameter min.	5.3 mm
connection cross section solid mm² max.	6 mm²
connection cross section solid mm² min.	0.75 mm²
connection cross section fine stranded mm² max.	6 mm²
connection cross section fine stranded mm² min.	0.75 mm²
terminations per pole	1
special cable geometry	illumination cable (13.3x5.3)
connection cross section stranded mm² min.	0.75 mm²
connection cross section stranded mm² max.	6 mm²
sheath strip length	26.5 mm
wire strip length	8 mm

model

model	female
connection type	screw connection

degree of protection (IP)	IP66/68 (3m;2h) /IP69

material

housing material	plastic
halogen free	yes
contact material	CuZn
fire load	0.295 kWh/St
insulation components continous temperature	100 °C
surface finish	silver-plated

dimensions

length	82 mm
width	34.6 mm
height	34.6 mm

accessories

item no.	type	description
99.414.6205.2	cover for female connector SW	RST20i3/2 cover piece, for covering unused female connectors, with fastening belt, color black
Z5.564.4553.1	cover for female connector SW	RST20i3/2 cover piece, for covering unused female connectors, color black
05.564.8653.1	manual disconnect RST20i3/i5 SCHWARZ	Manual disconnect for later installation of RST connectors, color black

assembly

item no.	type	description
96.032.5051.4	device connector RST20I3S S1 M01VL BR0	RST® CLASSIC device connector, standard, straight, M25, number of poles 3, model male, connection type screw connection, rated voltage 50 V / 120 V, rated current 20 A, color of coding/ contact carrier signal brown
96.032.4451.4	connector RST20I3S S1 ZRWSVL BR01	RST® CLASSIC connector, straight, number of poles 3, male, connection type screw connection, rated voltage 50 V / 120 V, rated current 20 A, cable diameter 5.3 - 13.3 mm, illumination cable (13.3x5.3), color of coding/ contact carrier signal brown