

8BPR0002.0000-00

1 Order data

Model number	Short description	Figure
	Accessories	
8BPR0002.0000-00	12-pin encoder connector, springtec, IP67, crimp contacts included in delivery: 12 x 0.14-1.0 mm ² , 1 x coding contact, cable terminals: 6-7.5 mm, UL/CSA listed	

Table 1: 8BPR0002.0000-00 - Order data

2 Technical data

Model number	8BPR0002.0000-00
General information	
Insulator	PA, PBT, UL94 / V0 listed
Contacts	Brass / nickel-plated
Protective ground connection on housing	Per VDE 0110/EN 61984, section 6.19.2.2
Certification	UL / CSA
Connector size	Size 1
Number and type of contacts	12 signal contacts
Pollution degree	3
Installation elevation	Up to 2000 m
Protection per DIN 40050	IP66/67 when connected
Electrical characteristics	
Overvoltage category	III
Signal contacts	
Contact resistance	<5 mΩ
Nominal voltage	63 V (AC/DC)
Nominal current	Max. 5 A
Test voltage (L - L)	1500 V
Mechanical characteristics	
Housing	
Material	Zink casting / plastic
Dimensions	
Length	42.7 mm
Diameter	18.6 mm
Weight	30 g
Crimp range	12 x 0.14 - 1 mm ²
Gasket	FKM
Connection cycles	>500
Cable terminals	4.5 - 6.5 mm
Temperature range	-20°C to +130°C

Table 2: 8BPR0002.0000-00 - Technical data

Information:

Using B&R connectors guarantees that the EMC limits for the connection are not exceeded. Make sure that connectors are assembled correctly and include a proper shield connection.