

4.3 Encoder Connectors

4.3.1 Order Data

Model Number	Short Description	Image
	EnDat Connector	
8PE001.00-1	EnDat Connector 17 pin Intercontec socket, crimp range 17 x 0.06-1,0mm ² , for cable ø 9-12mm, IP67, UL/CSA listed	 17 x 
	Resolver Connector	
8PR001.00-1	Resolver connector 12 pin Intercontec socket, crimp range 12 x 0.06-1.0mm ² , for cable ø 5.5-10.5mm, IP67, UL/CSA listed	 12 x 

Table 55: Order data for encoder connectors

4.3.2 Technical Data for EnDat connector 8PE001.00-1

Product ID	8PE001.00-1
General Information	
Connector Size	Size 1
Contacts	17 signal contacts
Degree of Pollution	3
Installation Altitude	Up to 2,000 m
Insulator	PA 6.6 / PBT, UL94/V0 listed
Contacts	Gold plated brass
Protective Ground Connection on Housing	According to VDE 0627
Protection According to DIN 40050	IP67 when connected
Certifications	UL/CSA
Electrical Characteristics	
Overvoltage Category	3
Signal Contacts	
Rated Current	9 A
Nominal Voltage	125 V
Isolation Voltage (L-L)	2500 V
Contact Resistance	< 5 mΩ
Mechanical Characteristics	
Temperature Range	-20 °C to +130 °C
Housing Material	Zinc die cast / brass, nickel plated
Gaskets	FPM / HNBR
Mating Cycles	> 50
Crimp Range	17 x 0.06 - 1 mm²
Cable ø	9 - 12 mm
Manufacturer Information	
Manufacturer	INTERCONTEC
Internet Address	www.intercontec.biz
Manufacturer's Product ID	ASTA 035 FR 11 12 0035 000

Table 56: Technical data for EnDat connector 8PE001.00-1

4.3.3 Technical Data for resolver connector 8PR001.00-1

Product ID	8PR001.00-1
General Information	
Connector Size	Size 1
Contacts	12 signal contacts
Degree of Pollution	3
Installation Altitude	Up to 2,000 m
Insulator	PA 6.6 / PBT, UL94/V0 listed
Contacts	Gold plated brass
Protective Ground Connection on Housing	According to VDE 0627
Protection According to DIN 40050	IP67 when connected
Certifications	UL/CSA
Electrical Characteristics	
Overvoltage Category	3
Signal Contacts	
Rated Current	9 A
Nominal Voltage	160 V
Isolation Voltage (L-L)	2500 V
Contact Resistance	< 5 mΩ
Mechanical Characteristics	
Temperature Range	-20 °C to +130 °C
Housing Material	Zinc die cast / brass, nickel plated
Gaskets	FPM / HNBR
Mating Cycles	> 50
Crimp Range	12 x 0.06 - 1 mm²
Cable ø	5.5 - 10.5 mm
Manufacturer Information	
Manufacturer	INTERCONTEC
Internet Address	www.intercontec.biz
Manufacturer's Product ID	ASTA 021 FR 11 10 0035 000

Table 57: Technical data for resolver connector 8PR001.00-1