

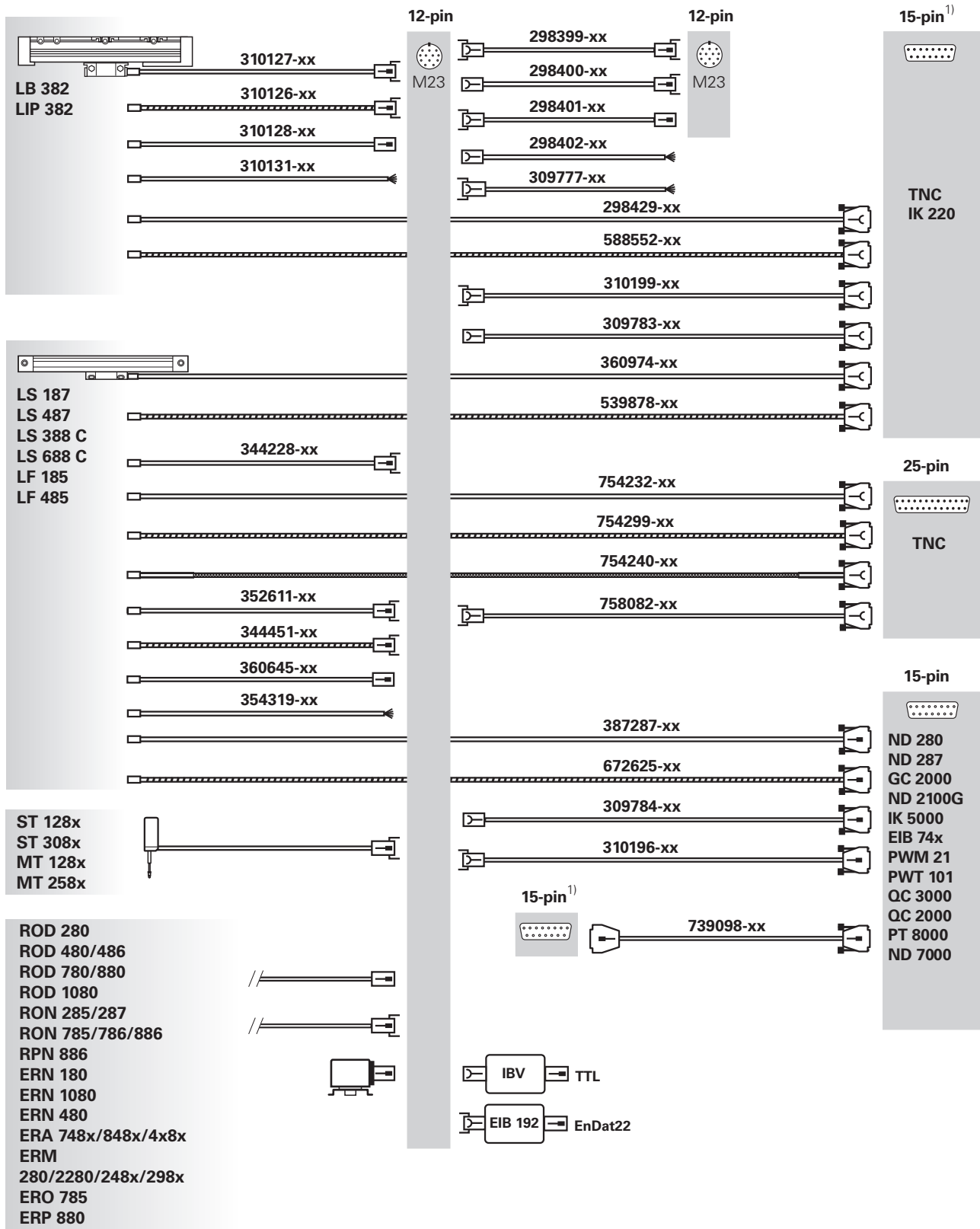


**HEIDENHAIN**



**Cables and  
Connectors**

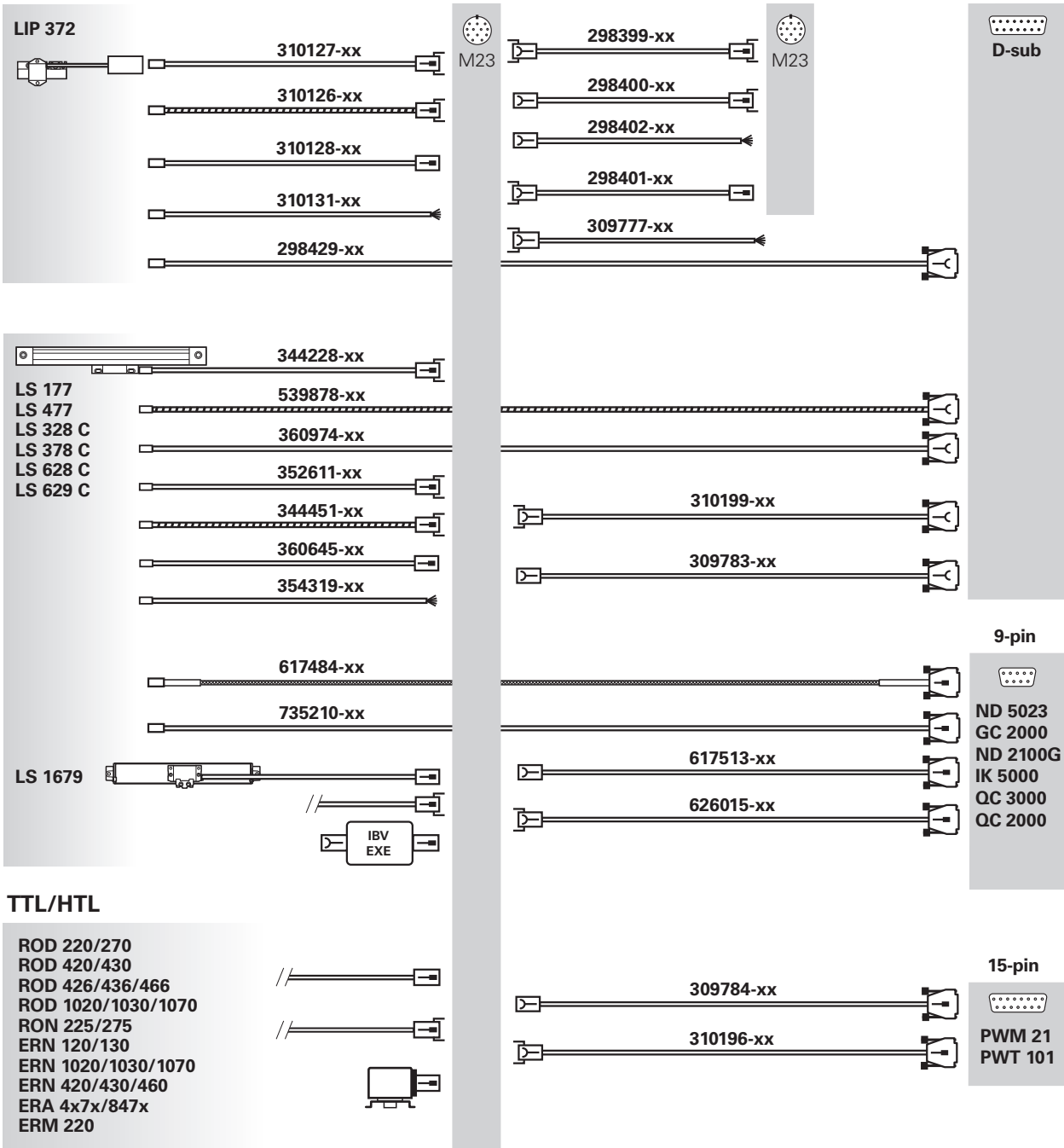
# Adapter cables and connecting cables – 1 V<sub>PP</sub> interface















<sup>1)</sup> Identical pin layouts

# Adapter cables and connecting cables – TTL or HTL interface

## TTL



# Cable list – sorted by ID number

ID		Length	A <sub>P</sub>	Use with
223775-01	<b>Power cable</b> PVC, 3 x 1.0 mm <sup>2</sup> for digital readouts/evaluation electronics 	3 m	1.0 mm <sup>2</sup>	ND
274543-xx	<b>APK</b> , PUR, Ø 8 mm, 4 x (2 x 0.16 mm <sup>2</sup> ) + 4 x 0.5 mm <sup>2</sup> ; 6-pin push-pull flange socket and 15-pin D-sub connector (male) 	1 m to 20 m	0.5 mm <sup>2</sup>	TS/TT
274544-xx	<b>VBK</b> , PUR, Ø 8 mm, 4 x (2 x 0.16 mm <sup>2</sup> ) + 4 x 0.5 mm <sup>2</sup> ; 6-pin push-pull flange socket 	1 m to 20 m	0.5 mm <sup>2</sup>	TS/TT
289440-xx	<b>APK</b> , PUR, Ø 8 mm, 4 x (2 x 0.16 mm <sup>2</sup> ) + 4 x 0.5 mm <sup>2</sup> + 4 x 0.16 mm <sup>2</sup> ; 17-pin M23 connector (female) and 25-pin D-sub connector (female) 	1 m to 30 m	2 x 0.5 mm <sup>2</sup>	1 V <sub>PP</sub> + Z1
298399-xx	<b>VBK</b> , PUR, Ø 8 mm, 4 x (2 x 0.16 mm <sup>2</sup> ) + 4 x 0.5 mm <sup>2</sup> ; 12-pin M23 connector (female) and 12-pin M23 connector (male) 	1 m to 50 m	2 x 0.5 mm <sup>2</sup>	1 V <sub>PP</sub> TTL HTL
298400-xx	<b>VBK</b> , PUR, Ø 8 mm, 4 x (2 x 0.16 mm <sup>2</sup> ) + 4 x 0.5 mm <sup>2</sup> ; 12-pin M23 coupling (female) and 12-pin M23 connector (male) 	1 m to 50 m	2 x 0.5 mm <sup>2</sup>	1 V <sub>PP</sub> TTL HTL
298401-xx	<b>VBK</b> , PUR, Ø 8 mm, 4 x (2 x 0.16 mm <sup>2</sup> ) + 4 x 0.5 mm <sup>2</sup> ; 12-pin M23 connector (female) and 12-pin M23 coupling (male) 	1 m to 50 m	2 x 0.5 mm <sup>2</sup>	1 V <sub>PP</sub> TTL HTL
298402-xx	<b>VBK</b> , PUR, Ø 8 mm, 4 x (2 x 0.16 mm <sup>2</sup> ) + 4 x 0.5 mm <sup>2</sup> ; 12-pin M23 coupling (female) and stripped cable end 	1 m to 50 m	2 x 0.5 mm <sup>2</sup>	1 V <sub>PP</sub> TTL HTL
298429-xx	<b>APK</b> , PUR, Ø 6 mm, 6 x (2 x 0.19 mm <sup>2</sup> ); 12-pin LS connector (large) and 15-pin D-sub connector (female) 	1 m to 9 m	2 x 0.19 mm <sup>2</sup>	1 V <sub>PP</sub> TTL
309773-xx	<b>VBK</b> , PUR, Ø 8 mm, 3 x (2 x 0.16 mm <sup>2</sup> ) + 2 x 1.0 mm <sup>2</sup> ; 9-pin M23 connector (female) and 9-pin M23 connector (male) 	1 m to 30 m	1.0 mm <sup>2</sup>	11 μA <sub>PP</sub>
309774-xx	<b>VBK</b> , PUR, Ø 8 mm, 3 x (2 x 0.16 mm <sup>2</sup> ) + 2 x 1.0 mm <sup>2</sup> ; 9-pin M23 coupling (female) and 9-pin M23 connector (male) 	1 m to 30 m	1.0 mm <sup>2</sup>	11 μA <sub>PP</sub>
309775-xx	<b>VBK</b> Ø 14 mm, 3 x (2 x 0.16 mm <sup>2</sup> ) + 2 x 1.0 mm <sup>2</sup> ; 9-pin M23 coupling (female) and 9-pin M23 connector (male) 	1 m to 20 m	1.0 mm <sup>2</sup>	11 μA <sub>PP</sub>