

Simplified Compatibility Matrix of Tractor - Semitrailer with Electric and Pneumatic Interfaces

Key	A= Automatic coupling	B= Brake electric interface
	P= Pneumatic interface	L= Lighting interface

		Brand A	Brand B	Brand C	Brand D			Brand X		
Tractor Trailer		A1(B+P)	A2(B+P)	A4(B+P)	A5(B+P+L)	A5(B+P+L)	A5(B+P)	A6(B+P+L)	A6(B+P+L)	A6(B+P)
	M(B+P+L)	M(B+P+L)	M(B+P+L)	M(B+P+L)		M(B+P+L)	M(B+P+L)		M(B+P+L)	M(B+P+L)
	M(B+P+L)	Manual Interface	Manual Interface	Manual Interface	Warnings + information	Manual Interface	Manual Interface	Warnings + information	Manual Interface	Manual Interface
Brand	A1(B+P) M(B+P+L)	Manual Interface	Auto + Manual or Manual	Warnings + information	Warnings + information	Warnings + information	Warnings + information	Warnings + information	Warnings + information	Warnings + information
Brand	A2(B+P) M(B+P+L)	Manual Interface	Warnings + information	Auto + Manual or Manual	Warnings + information	Warnings + information	Warnings + information	Warnings + information	Warnings + information	Warnings + information
Brand	A4(B+P) M(B+P+L)	Manual Interface	Warnings + information	Warnings + information	Auto + Manual or Manual	Warnings + information	Warnings + information	Warnings + information	Warnings + information	Warnings + information
Brand D	A5(B+P+L)	Warnings + information	Warnings + information	Warnings + information	Warnings + information	Auto Interface	Auto Interface	Warnings + information	Warnings + information	Warnings + information
	A5(B+P+L) M(B+P+L)	Manual Interface	Warnings + information	Warnings + information	Warnings + information	Auto Interface	Auto or Manual	Auto + Manual or Manual	Warnings + information	Warnings + information
	A5(B+P) M(B+P+L)	Manual Interface	Warnings + information	Warnings + information	Warnings + information	Warnings + information	Auto + Manual or Manual	Auto + Manual or Manual	Warnings + information	Warnings + information
Brand X	A6(B+P+L)	Warnings + information	Warnings + information	Warnings + information	Warnings + information	Warnings + information	Warnings + information	Warnings + information	Auto Interface	Auto Interface
	A6(B+P+L) M(B+P+L)	Manual Interface	Warnings + information	Warnings + information	Warnings + information	Warnings + information	Warnings + information	Warnings + information	Auto Interface	Auto or Manual
	A6(B+P) M(B+P+L)	Manual Interface	Warnings + information	Warnings + information	Warnings + information	Warnings + information	Warnings + information	Warnings + information	Warnings + information	Auto + Manual or Manual

provisions made to delete the danger of mismatch:
1. If pneumatics are not properly connected trailer remains braked. (p 3.4 in annex 22)
2. Warning systems if not fully functionality for brake electric/electronic interface. (P. 2.4 in annex 22)
3. Risk of mismatch is further reduced by insertion of categories A, B, C, and D. Category C for semitrailers are standardized by ISO 13044. Standard for C will come.
4. Information in the vehicles user's handbook about checking the compatibility
5. Information by a sticker fitted to the trailer stating what category brand and type of automated connector the vehicle is fitted with requiring driver to check for compatibility
6. Until standards have been determined manufacturer applying for type approval must declare to what other automated connectors their product fits and its limitation