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| --- | --- | --- | --- | --- | --- |
| **Warning Modes** | | | | | |
| System Component xxxxxxxxxxxxxConfiguration x  Failure | Automatic | | Manual | | |
| FACS | AVC | Pneumatic | Brake Electric ISO7638 | Mechanic Coupling |
| Mechanical connection error (R55) | Remote indication R55 (Optical) | Same as today, Driver check | ---- | ---- | Driver Check |
| Pneumatic connection error (P) | Trailer brakes applied (Haptic) \*\*\* | Trailer brakes applied (Haptic) \*\*\* | Trailer brakes applied Driver action (Haptic) \*\* | ---- | ---- |
| Brake Electric connection error (E) | At least:  Optical indication according to §5.2.1.29.5 (Pin 5) | At least:  Optical indication according to §5.2.1.29.5 (Pin 5) | ---- | Driver Action (Optical), according to R13 §52.1.29.5  (Pin 5)\* | ---- |
|  | | | | | |
| \* Optical driver warning in cab at "Ignition ON" | | | | | |
| \*\* Only an action regarding "Control line", Possibly also a Check in the case of the "supply line" (Dependent on initial pressure in the Trailer) | | | | | |
| \*\*\*In case of FACS/ACV the P&E connectors are integrated in a single unit. Hence designs exist that provides both the P and the E sets of warnings. | | | | | |