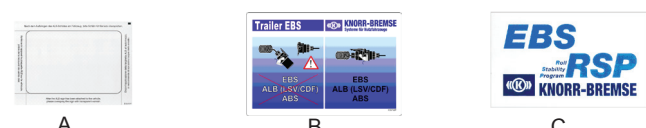


# TEBS G2.1 - Component Overview, Semi-trailer /Centre-axle Trailer


### Trailer Data Plate

II39797F Silver Foil Data Plate (Print from ECUTalk®) - Fig. A  
 II39796F ISO 7638 Headboard Information Sticker - Fig. B  
 II40392F EBS with RSP Sticker - Fig. C



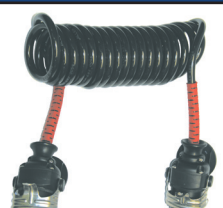
### Coupling Head with integral Filter

K000952 - KU1400 Supply (red)  
 K000954 - KU1410 Control (yellow)  
 K000956 - KU1412 Control (yellow), with Test Point



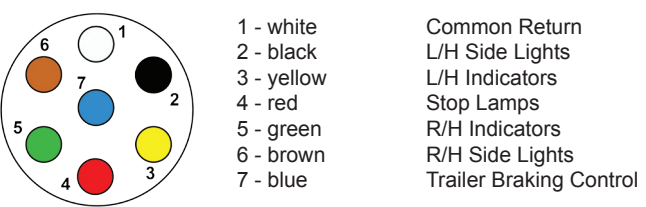
### 7 pin ISO 7638 Cable

K004098N00 ISO 7638 Connecting Cable  
 - EK3150 Tractor to Trailer, with buckling protection




### ISO 1185 - Pin Allocation

1 - white	Common Return
2 - black	L/H Side Lights
3 - yellow	L/H Indicators
4 - red	Stop Lamps
5 - green	R/H Indicators
6 - brown	R/H Side Lights
7 - blue	Trailer Braking Control




### ISO 7638 - Pin Allocation

1 - red	Modulators (24V)
2 - black	ECU (24V)
3 - yellow	ECU (Ground)
4 - brown	Modulators (Ground)
5 - white	Warning lamp
6 - white/green	Data line CAN-Hi
7 - white/brown	Data line CAN-Lo



### Trailer EBS Brake Module

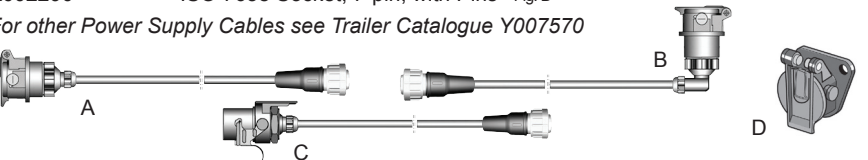
K01931.\* - ES2060 TEBS G2.1 Module, 2S-6S/3M, Port P28 programmable  
 K01935.\* - ES2060 TEBS G2.1 Module, 2S/2M, P28 Test Point.  
 For other TEBS G2 variants see Trailer Catalogue Y007570  
 K000847K50 Silencer



**Note:** All TEBS G2 brake modules must be programmed and an "End of Line Test" (EOL) carried out after installation!


### 7 pin ISO 7638 Chassis Cable

K008430N00 ISO 7638 Socket + 10 m Cable (Semi-trailer) - Fig. A  
 K008431N00 ISO 7638 Socket + 13 m Cable (Semi-trailer) - Fig. A  
 K008432N00 ISO 7638 Socket (90° Connector) + 16m Cable (Semi-trailer) - Fig. B  
 K010710N00 ISO 7638 Socket + 10 m Cable (Centre-axle Trailer) - Fig. C  
 K010711N00 ISO 7638 Socket + 13 m Cable (Centre-axle Trailer) - Fig. C  
 K002290 ISO 7638 Socket, 7-pin, with Pins - Fig. D




### Park/Shunt Valve

with integral Charging Valve  
 for Semi-trailers and Centre-axle Trailers  
 K025700N00 Park/Shunt Valve with integral Charging valve, without Plate  
 - AE4370  
 K056570N00 Operation Instruction Plate




### Trailer Information Module (TIM G2)

K009166\* Trailer Information Module (TIM G2)  
 K022272N00 (4 m) Modular In-Out Cable from Module to TIM G2  
 K022279N00 (6 m)



### Mechanical Load Sensing


K026919B90 External Load Sensor for mechanical suspension, complete with linkage  
 II19422 - ZB3131 Lever and Linkage  
 K001406 Axle Linkage



(Used on trailers with mechanical suspension)


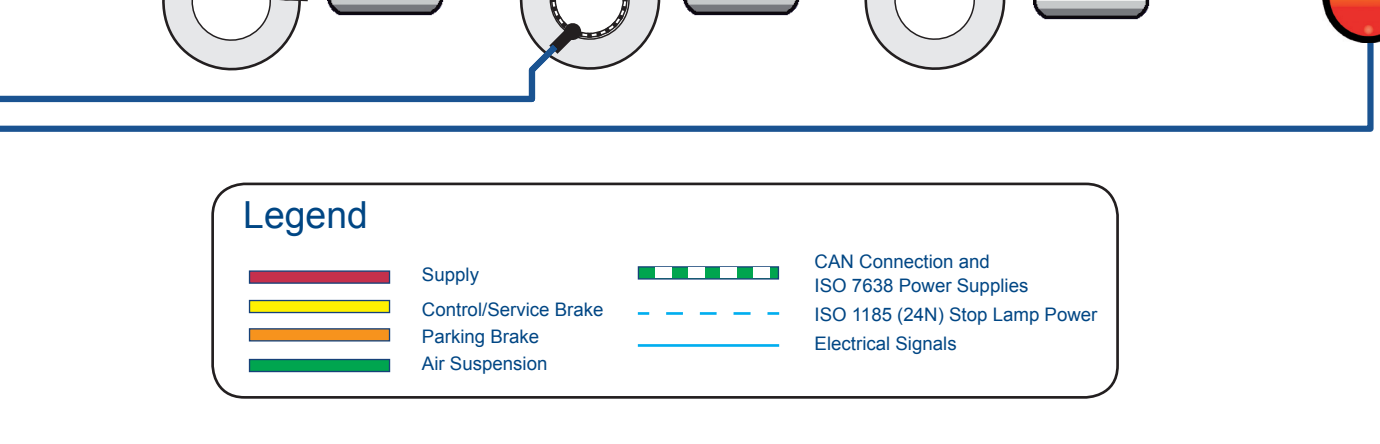
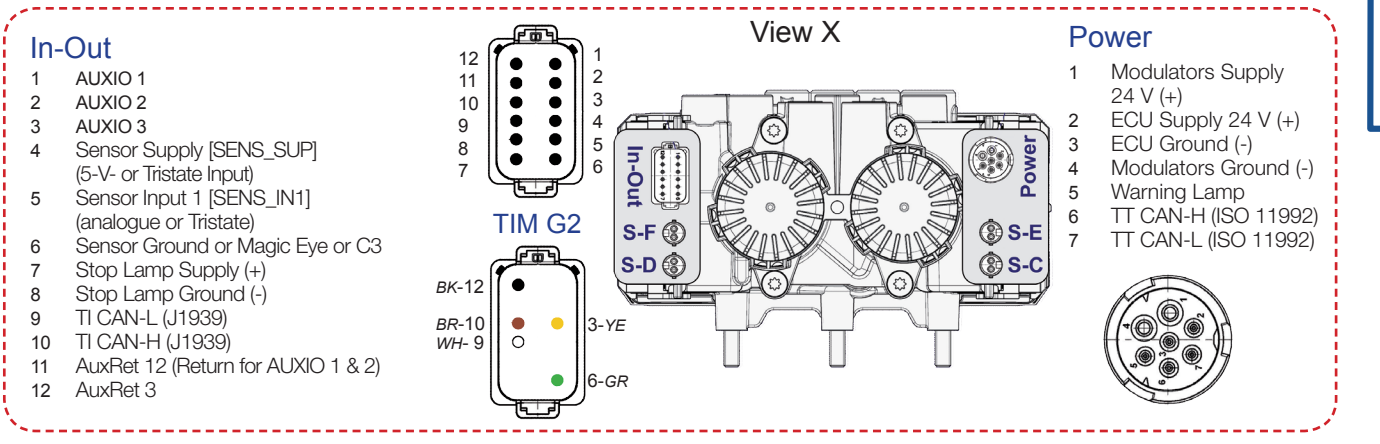
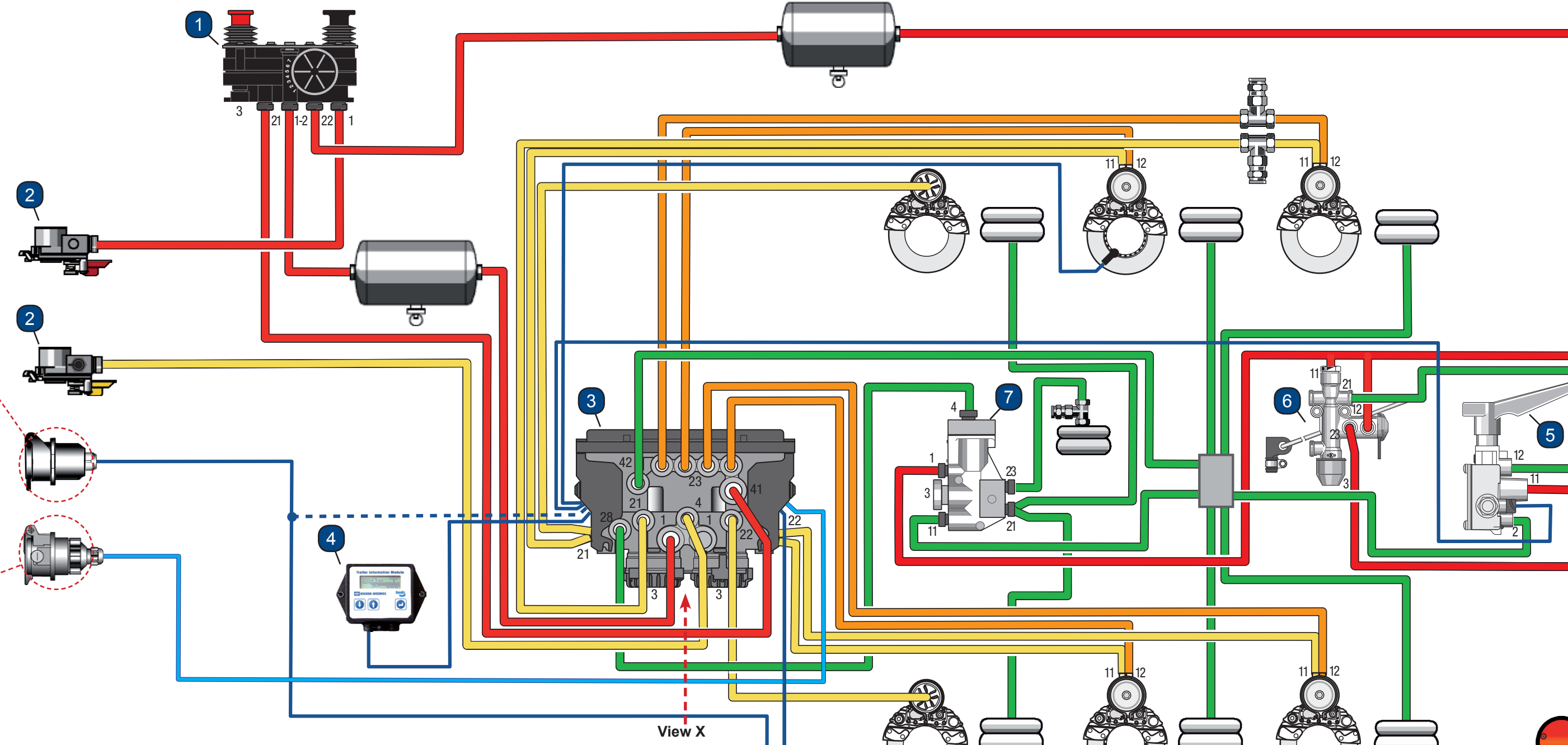
### Trailer Roadtrain Module (TRM)

K036198\* - EZ2085 Amplifier and/or Splitter of CAN Signals. For use on road trains/long trailers.  
 K027817N00 Closure Cap for unused Bayonet connections.  
 K015173 external Pressure Sensor (to measure pressure in the yellow line for TRM or for external load input to TEBS)




### TEBS - PC Diagnostics

II39808F - EZ1034 24V-CAN-Adapter Cable - Fig. A  
 II39809F - EZ1031 Universal Diagnose Interface (UDIF) incl. Cable Z005474 - Fig. B  
 II39812F - EZ1032 Connecting Cable (UDIF - CAN) - Fig. C  
 Z007887 USB Adapter Cable (UDIF - PC)

### Raise/Lower Valve


K022847N00 - SV3801 Raise/Lower Valve with 'Speed Pulse' Function (reset to ride height)  
 II36226004 Handle Kit  
 Z006844 Operation Sticker  
 K022901K50 Solenoid Kit



SV32... Raise/Lower Valves - please contact Knorr-Bremse

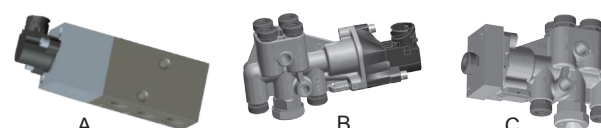
### Levelling Valve

II19425 - SV1395 Levelling Valve - Fig. A  
 II36088 - SV1460 Levelling Valve with plastic body - Fig. B  
 II36114 - SV1465 Levelling Valve with height limitation and Datum Adjustment - Fig. C  
 II36115 - SV1466 Levelling Valve with Height Limitation - Fig. C  
 K001406 Lower Linkage



### Lift Axle Valve

K035570N00 - AE1141 5/2 Way Lift Axle Valve, Solenoid controlled 24V (replaces K008546) - Fig. A  
 K015384N00 - AE1141 5/2 Way Lift Axle Valve, Solenoid controlled 24V - Fig. B  
 K017224N00 - AE1141 5/2 Way Lift Axle Valve, pneumatically controlled - Fig. C  
 II36167008 Solenoid Kit, only for K008546  
 K020018K50 Solenoid Kit for K035570N00 and K015384N00



### Wheel Speed Sensor and Extension Cable

**Sensors**

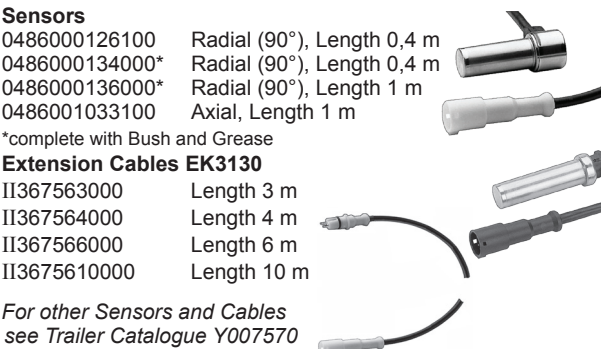
0486000126100	Radial (90°), Length 0,4 m
0486000134000*	Radial (90°), Length 0,4 m
0486000136000*	Radial (90°), Length 1 m
0486001033100	Axial, Length 1 m

\*complete with Bush and Grease

**Extension Cables EK3130**

II367563000	Length 3 m
II367564000	Length 4 m
II367566000	Length 6 m
II3675610000	Length 10 m

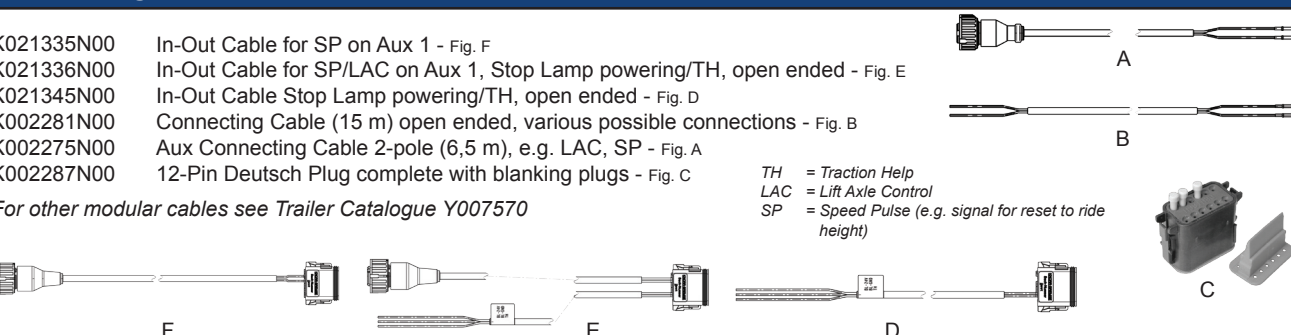
For other Sensors and Cables see Trailer Catalogue Y007570



### In-Out Plug and Cable (Examples)

K021335N00 In-Out Cable for SP on Aux 1 - Fig. F  
 K021336N00 In-Out Cable for SP/LAC on Aux 1, Stop Lamp powering/TH, open ended - Fig. E  
 K021345N00 In-Out Cable Stop Lamp powering/TH, open ended - Fig. D  
 K002281N00 Connecting Cable (15 m) open ended, various possible connections - Fig. B  
 K002275N00 Aux Connecting Cable 2-pole (6,5 m), e.g. LAC, SP - Fig. A  
 K002287N00 12-Pin Deutsch Plug complete with blanking plugs - Fig. C

TH = Traction Help  
 LAC = Lift Axle Control  
 SP = Speed Pulse (e.g. signal for reset to ride height)

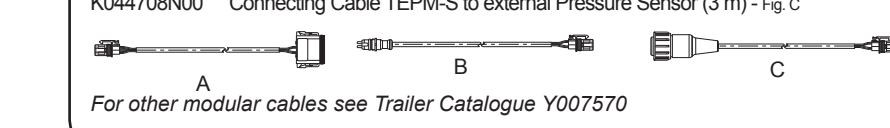


### Trailer Electro-Pneumatic Module (TEPM-S)

K021940\* - ES2070 TEPM-S, Trailer Electro-Pneumatic Module Standard (without additional Inputs/Outputs) for trailers with 4S/3M Systems, e.g. with Steering Axle

**Cables**

K0583... Connecting Cable TEPM-S to TEBS G2/G2.1 - Fig. A  
 K027811N00 Wheel Speed Sensor Cable TEPM-S (2 m) - Fig. B  
 K044708N00 Connecting Cable TEPM-S to external Pressure Sensor (3 m) - Fig. C



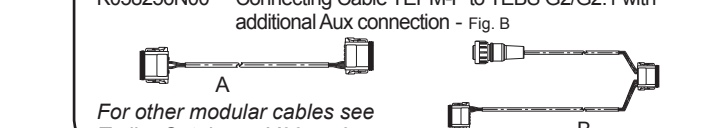
For other modular cables see Trailer Catalogue Y007570

### Trailer Electro-Pneumatic Module (TEPM-P)

K027900\* - ES2071 TEPM-P, Trailer Electro-Pneumatic Module Premium (with additional Inputs/Outputs) for trailers with 4S/3M Systems, e.g. with Steering Axle

**Cables**

K058249N00 Connecting Cable TEPM-P to TEBS G2/G2.1 (7 m) - Fig. A  
 K058256N00 Connecting Cable TEPM-P to TEBS G2/G2.1 with additional Aux connection - Fig. B



For other modular cables see Trailer Catalogue Y007570

\* The part number of the module will carry two suffixes, firstly "V##" which represents the software revision of the product, e.g. V01, V02 etc., and secondly "N##" which defines the packaging requirements of different market sectors, e.g. N00, N50. Example: K021940V00N00 - is supplied with software to revision 00 and is supplied without packaging.