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## CAN bus Distances and CAN fiber extension gateways from EKS Engel

Clemens - 2024-09-27 - easYgen-3000XT



Maximum CAN bus length The maximum length of the communication bus wiring is dependent on the configured baud rate. Observe the maximum bus length. (Source: CANopen; Holger Zeltwanger (Hrsg.); 2001 VDE VERLAG GMBH, Berlin und Offenbach; ISBN 3-8007-2448-0).



Recommendation is to think about CAN Fiber Optics conversion to increase CANbus distance

Download EKS Engel CAN Fiber Gateway application note here:

[https://wss.woodward.com/manuals/PGC/easYgen-3000XT\\_series/Application\\_Notes/37598A\\_CAN-to-Fiber\\_converter.pdf](https://wss.woodward.com/manuals/PGC/easYgen-3000XT_series/Application_Notes/37598A_CAN-to-Fiber_converter.pdf)

EKS 3DSTP CAD Modell

[https://wss.woodward.com/manuals/Support/CAD\\_data\\_3rdparty\\_accessories/WWD\\_8445-1048\\_DL-CAN\\_CANR\\_Fibre\\_Modules\\_STEP\\_File.zip](https://wss.woodward.com/manuals/Support/CAD_data_3rdparty_accessories/WWD_8445-1048_DL-CAN_CANR_Fibre_Modules_STEP_File.zip)

Woodward P/N 8445-1048 DL-CANR **V2** REDUNDANT CAN FIBER OPTIC SYSTEM EKS Engel  
P/N 010007573 - **obsolete, do not mix V2 with new V3 converters !**

Woodward P/N 8445-1048 DL-CANR **V3** REDUNDANT CAN FIBER OPTIC SYSTEM EKS Engel  
P/N 01000-8273-V3

Woodward P/N 8445-1049 DL-CAN V2 CAN FIBER OPTIC SYSTEM EKS Engel P/N  
010007423

<https://www.eks-engel.de/en/products/industrial-network-technology/interface/the-dl-can-fv-dl-can-r/>

