



如何使用 PROFIBUS OLM 建立冗余的光纤环网？

▼显示订货号

6ES5770-2AA11	Repeater for ET 200 and MPI
6ES7181-0AA00-0AA0	SIMATIC DP, BT200 TEST UNIT
6ES7181-0AA01-0AA0	SIMATIC DP, BT200 BUS TEST UNIT
6ES7972-0AA00-0XA0	SIMATIC S7, RS485 REPEATER FOR
6ES7972-0AA01-0XA0	SIMATIC S7, RS485 REPEATER FOR
6ES7972-0AB00-0XA0	SIMATIC S7, DIAGNOSIS-REPEATER
6ES7972-0AB01-0XA0	SIMATIC S7, DIAGNOSIS-REPEATER
6GK15..	PROFIBUS CP's for PG/PC
6GK1502..	PROFIBUS OLM

说明:

下图说明了如何使用 PROFIBUS OLM 建立冗余光纤环网:

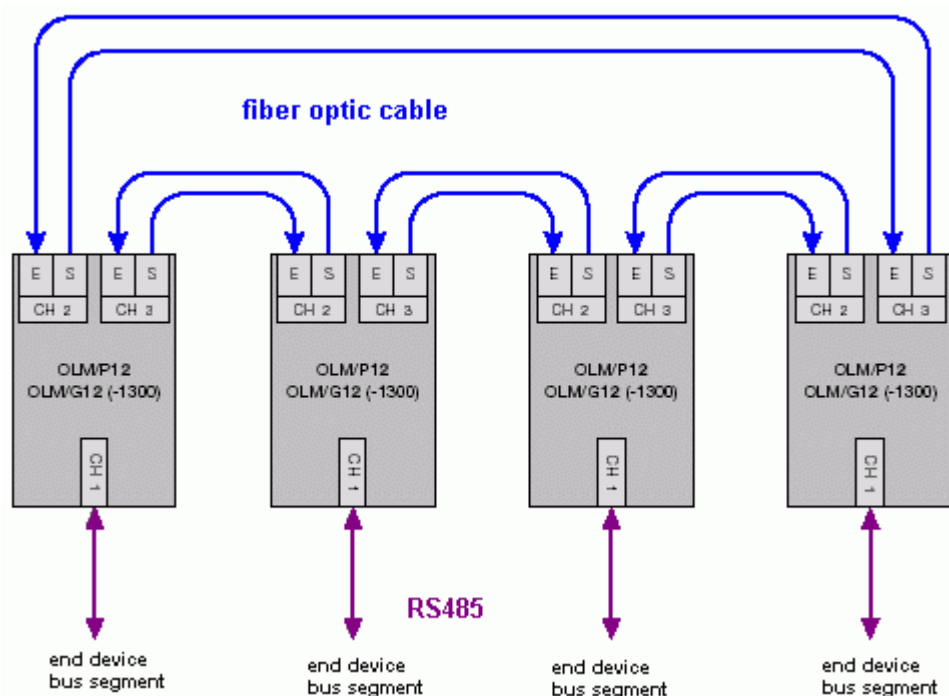


图 1: 冗余光纤 PROFIBUS 环网

如何建立冗余光纤环网的提示:

- 冗余光纤环网只能在以下 OLM 间建立:
 - OLM/P12
 - OLM/G12 和 OLM/G12 EEC
 - OLM/G12-1300
 - OLM/P4
 - OLM/S4
 - OLM/S-1300
- 只有相同类型的 OLM 才能互相连接(作为终端设备/总线段):
 - OLM/P11 到 OLM/P12
 - OLM/G11 到 OLM/G12 和 OLM/G12 EEC
 - OLM/G11-1300 到 OLM/G12-1300
 - OLM/P3 到 OLM/P4
 - OLM/S3 到 OLM/S4
 - OLM/S3-1300 到 OLM/S-1300



- 当前 OLM 与旧版本 OLM 的混和操作在兼容模式下是可以的(DIP 开关 S7=ON; 警告: 缺省设置 S7=OFF)。以下组合是可行的:
 - OLM/P11 和 OLM/P12 与 OLM/P3 或 OLM/P4
 - OLM/G11 和 OLM/G12 与 OLM/S3 或 OLM/S4
 - OLM/G11-1300 和 OLM/G12-1300 与 OLM/S3-1300 或 OLM/S4-1300
- 在冗余光纤环网中的连接不允许使用带集成 FO 接口(如 CP5613 FO, ET200S FO 和 CP 342-5 FO)的终端设备。
- **注意:**
塑料光纤**不能**连接到带玻璃光纤的 OLM, 反之亦然。

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How do you set up a redundant optical ring with PROFIBUS OLMs?

▼Display part number

6ES5770-2AA11	Repeater for ET 200 and MPI
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6ES7181-0AA01-0AA0	SIMATIC DP, BT200 BUS TEST UNIT
6ES7972-0AA00-0XA0	SIMATIC S7, RS485 REPEATER FOR
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6ES7972-0AB00-0XA0	SIMATIC S7, DIAGNOSIS-REPEATER
6ES7972-0AB01-0XA0	SIMATIC S7, DIAGNOSIS-REPEATER
6GK15..	PROFIBUS CP's for PG/PC
6GK1502..	PROFIBUS OLM

Instructions:

The diagram below shows how to set up a redundant optical ring with PROFIBUS OLMs:

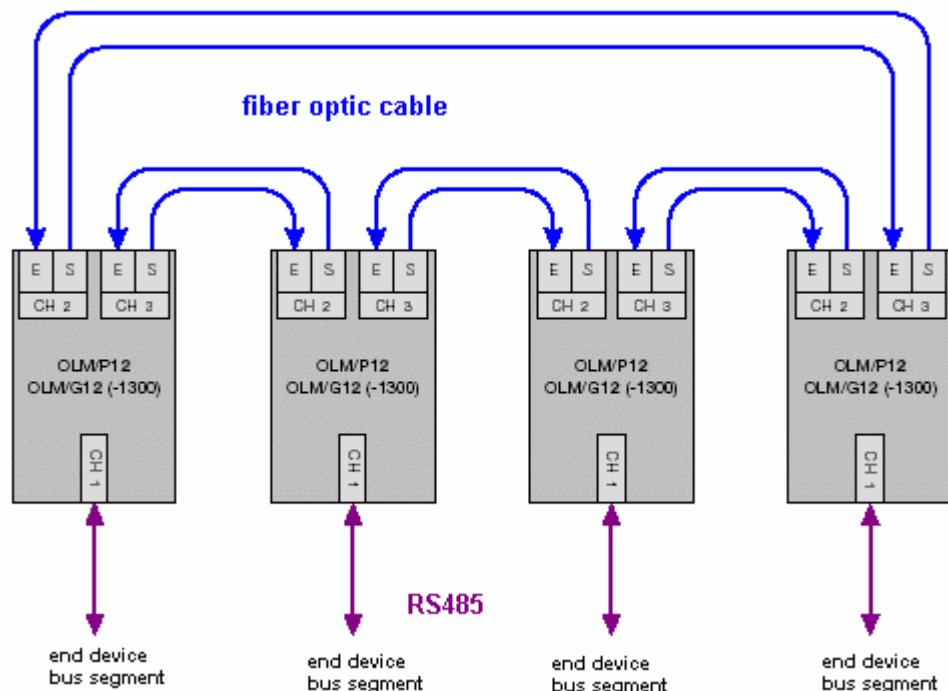


Fig. 1: Redundant optical PROFIBUS ring

Tips on how to set up the redundant optical ring:



- A redundant optical ring can only be set up between the following OLMs:
 - OLM/P12
 - OLM/G12 and OLM/G12 EEC
 - OLM/G12-1300
 - OLM/P4
 - OLM/S4
 - OLM/S-1300
- Only OLMs of the same type can be connected with each other (as terminal device/bus segment):
 - OLM/P11 to OLM/P12
 - OLM/G11 to OLM/G12 and OLM/G12 EEC
 - OLM/G11-1300 to OLM/G12-1300
 - OLM/P3 to OLM/P4
 - OLM/S3 to OLM/S4
 - OLM/S3-1300 to OLM/S-1300
- Mixed operation of current OLMs with OLMs of the previous generation is possible in compatibility mode (DIP switch S7=ON; warning: default setting S7=OFF). The following combinations are possible:
 - OLM/P11 and OLM/P12 with OLM/P3 or OLM/P4
 - OLM/G11 and OLM/G12 with OLM/S3 or OLM/S4
 - OLM/G11-1300 and OLM/G12-1300 with OLM/S3-1300 or OLM/S4-1300
- End devices with integrated FO interfaces (such as CP5613 FO, ET200S FO and CP 342-5 FO) are not approved for connection within the redundant optical ring.
- **Caution:**
Plastic optical fibers may **not** be connected to an OLM with a glass optical fiber and vice versa.

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