

## EY6LC02: Coupling kit for I/O modules in cabinet, modu602-LC

### Features

- Part of the SAUTER modulo 6 system family
- Arrangement of I/O modules in up to three rows for space-optimised cabinet installation
- Minimum space requirement of the transmitter and receiver modules (1.5 HP)
- Up to two modu602-LC per station

### Technical data

Power supply		
Power supply		From AS or LC via I/O bus
Dissipated power		< 0.3 W incl. 3 m cable
Parameters		
Max. number per station		2
Max. cable length per station		3 m
Ambient conditions		
Operating temperature		0...45 °C
Storage and transport temperature		-25...70 °C
Admissible ambient humidity		10...90% rh, no condensation
Interfaces and communication		
Connection		RJ45 connector
Cable type		RJ45 type S/FTP, not crossed, at least AWG 24
Connection, I/O bus		P100017761:7-pin spring contacts, only left P100017762:7-pin spring contacts, only right
Earth connector		Spring contact against DIN rail
Construction		
Fitting		On metallic DIN rail 35 x 7.5/15 as per EN 60715 Rail housing as per DIN 43880
Dimensions W x H x D		27 x 97 x 59 mm
Weight <sup>1)</sup>		95 g
Standards and directives		
Protection type (as per EN 60730)		Connections and terminals: IP00 Front in DIN cut-out: IP30
Protection class		I (EN 60730-1)
Environment class		3K3 (IEC 60721)
CE conformity according to	EMC Directive 2014/30/EU	EN 61000-6-1, EN 61000-6-2, EN 61000-6-3, EN 61000-6-4, EN 50491-5-1, EN 50491-5-2, EN 50491-5-3



EY6LC02

### Overview of types

Type	Description
EY6LC02F001	Coupling kit for I/O modules in cabinet (P100017761 and P100017762)

### Manuals

Document number	Language	Title
D100397589	de	Systembeschreibung SAUTER modulo
D100408512	de	EY-modulo 6 – Best Practice I
D100402674	en	SAUTER modulo system description
D100410201	en	EY-modulo 6 – Best Practice I

<sup>1)</sup> Total weight



Document number	Language	Title
D100402676	fr	Description du système SAUTER modulo
D100410203	fr	EY-modulo 6 – Meilleures pratiques I

### Description of operation

The modu602-LC allows modu6\*\*-IO I/O modules to be distributed over up to three lines. The modu602-LC consists of a transmitter and a receiver module.

Special standards such as IEC 61508, IEC 61511, IEC 61131-1 and IEC 61131-2 were not considered during the development.

### Intended use

This product is only suitable for the purpose intended by the manufacturer, as described in the "Description of operation" section.

All related product regulations must also be adhered to. Changing or converting the product is not admissible.

### Engineering notes

#### Fitting and power supply

##### Note



Only qualified electricians are permitted to fit and connect the module. Prevent laypersons from accessing it.

The RJ45 patch cable is not included in the scope of delivery.

##### CAUTION!



Connecting crossed RJ-45 cables and connection to a PoE (Power-over-Ethernet) source causes damage to the module and the connected I/O modules. Connecting to LAN/WAN may cause damage to the LAN interface and the connected devices.

- ▶ Do not use crossed network cables.
- ▶ Do not connect to a PoE power supply.
- ▶ Do not connect to LAN/WAN.
- ▶ Do not exceed the total length of three metres (AWG 24) per station.

The modu602-LC is mounted in a cabinet using a metallic DIN rail (EN 60715).

A maximum of two modu602-LC kits can be used per automation station. The total length of the RJ45 cables per station between the modules of the kit must not exceed three metres.

SAUTER recommends using different sheath colours for RJ45 cables and Ethernet cables to avoid confusion.

You must ensure that it is not installed in the immediate vicinity of power contactors, frequency converters or other EMC interference sources. SAUTER generally recommends installation in a separate DDC cabinet field. The connection may only be plugged in and unplugged when the system is disconnected from the power supply.

Further recommendations can be found in the document "EY-modulo 6 – Best Practice I".

The communication wiring must be carried out professionally and in accordance with the requirements of standards EN 50174-1, EN 50174-2 and EN 50174-3.

##### CAUTION!



The RJ45 patch cable must not be plugged in or unplugged with voltage applied.

##### Note



The two parts of the modu602-LC kit are not interchangeable. When replacing a part or the entire module, check the position of the lateral spring contacts and the position of the RJ45 socket.

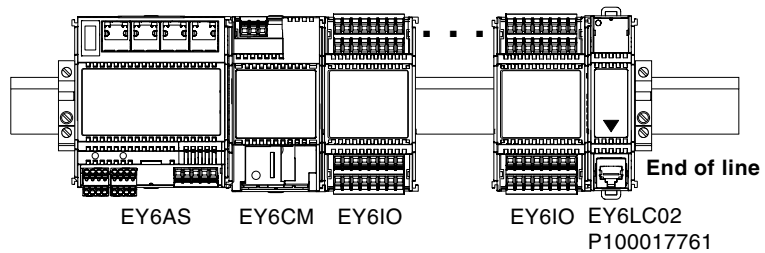
Local requirements regarding installation, usage, access, access rights, accident prevention, safety, dismantling and disposal must be taken into account. Furthermore, installation standards such as EN 50178, EN 50310, EN 50110, EN 50274 and EN 61140 must be complied with.

For more information on fitting and installation, see fitting instructions.

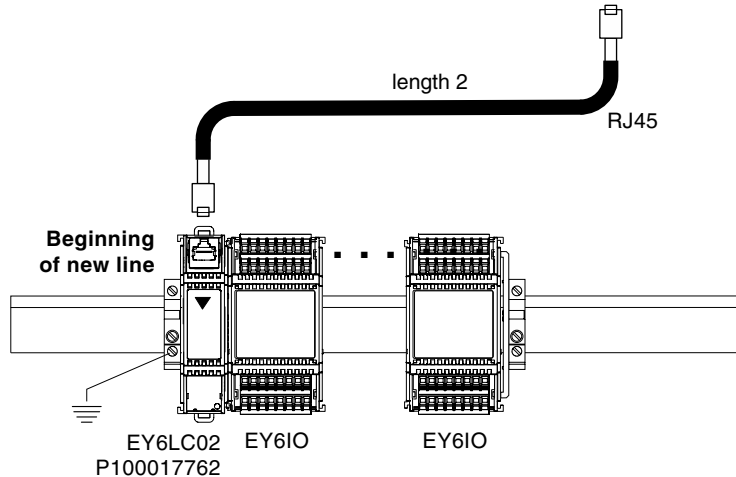
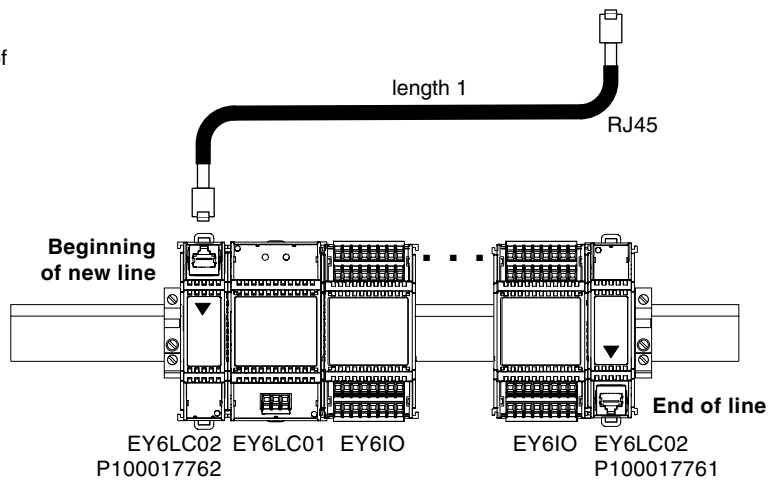
**Disposal**

When disposing of the product, observe the currently applicable local laws.  
 More information on materials can be found in the Declaration on materials and the environment for this product.

**Classification and connection of the module**



length 1 + length 2 of RJ45 cable ≤ 3 m



**Dimension drawing**

All dimensions in millimetres.

