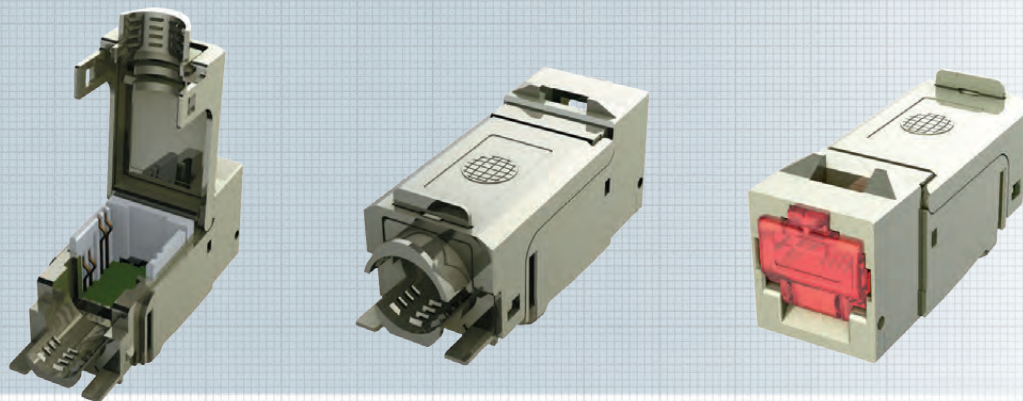


# preLink® RJ45 Keystone Module L.E.O. Cat.6A EIA/TIA, shielded, L.E.O.



The RJ45 socket module can be easily snapped onto the preLink® cable connection module. The resulting complete unit consisting of an assembled preLink® cabling link and preLink® RJ45 Keystone module meets the standard ISO/IEC 11801 (EN 50173) for permanent links. The preLink® cable connection module is available in two versions: transparent yellow for installation cable with up to four pairs in the range of AWG 24 – AWG 22, and transparent white for flexible cable with up to four pairs in AWG 27 – AWG 26. All available four-wire and eight-wire data cables can be connected using both these modules. Innovative IDC contacts ensure contacting in 10 Gigabit technology which remains stable over the long term and is resistant to vibration. The nickel plated die-cast zinc socket module ensures high packing density due to its compact design. The “Light Emitting Outlet” (L.E.O.) allows you to easily identify matching cable ends using a detector (see page 2/43). The connections on both sides can be made to emit light even in the case of patched data links. This function works with all common, shielded data cables. Packaging unit: 24 units per carton.

#### Standards:

Connector Standard: IEC 60603-7-51

#### Mechanical Properties:

Installation dimension 19.3 x 14.7 mm  
Mating force  $\leq 30$  N  
Mating cycles (RJ45 side)  $\geq 750$   
Mating cycles (opposite side)  $\geq 100$

Housing material nickel-plated die-cast zinc  
Insulation components material PC white opaque  
Gold plating in contact area 50  $\mu$ m  
Contacting AWG 27-22  
Cable diameter 5 – 9.5 mm (depending on the terminal used)

#### Environmental requirements:

Connection class IP 20  
Temperature range -40°C - +70°C

#### Electrical properties:

Contact resistance  $\leq 20$  m $\Omega$   
Insulation resistance between contacts  $\geq 500$  M $\Omega$   
Dielectric withstanding voltage contact – contact 1000 V DC/AC peak  
Current-carrying capacity at 50°C 1.25 A  
PoE+ per IEEE 802.3at PoE+

#### Transmission characteristics:

10 Gbit Supported  
Cat. 6A EIA/TIA 568B.2-10  
GHMT Initial sample certified

#### L.E.O. Function:

Input voltage 12 V AC  
Light detection  $\leq 100$  m

#### Accessories:

preLink® L.E.O. Detector page 12

Description	Ordering Code
preLink® RJ45 Keystone Cat.6A EIA/TIA, Class E <sub>A</sub> , L.E.O, incl. cable terminal AWG 24 - AWG 22	CKLES010
preLink® RJ45 Keystone Cat.6A EIA/TIA, Class E <sub>A</sub> , L.E.O, incl. cable terminal AWG 27 - AWG 26	CKLES020
preLink® RJ45 Keystone Cat.6A EIA/TIA, Class E <sub>A</sub> , L.E.O, without cable terminal	CKLEO100
preLink® L.E.O. Detector	CKZWD001