5.2.17 EIP OBJECT OPEN CL3 REQ/CNF - Open Class 3 Connection

This service is used for opening a connection for sending connected messages according to the EtherNet/IP transport class 3. With the confirmation packet you receive a connection handle that is required for establishing a connection with the packet "EIP_OBJECT_CONNECT_MESSAGE_REQ/CNF – Send a Class 3 Message Request".

The IP address of the destination must be specified in ullPAddr. The timeout multiplier ullTimeoutMult contains the value of the connection timeout multiplier that is needed for the determination of the connection timeout value. The connection timeout value is calculated by multiplying the RPI value (requested packet interval) with the connection timeout multiplier. Transmission on a connection is stopped when a timeout occurs after the connection timeout value calculated by this rule. The multiplier is specified as a code according to the subsequent table:

Code	Corresponding Multiplier
0	x4
1	x8
2	x16
3	x32
4	x64
5	x128
6	x256
7	x512
8 - 255	Reserved

Table 107: Coding of Multiplier Values

For more details see "The CIP Networks Library, Volume 1", section 3-5.5.1.4.

Packet Structure Reference