

# BECKHOFF New Automation Technology

Documentation | EN

## EL9xxx

EtherCAT System Terminals



## Separation terminal



Fig. 8: EL9080

The EL9080 separation terminal interrupts the power contacts within a bus terminal block. The terminal enables operation with different voltages on the separated sides of the power contacts. But the E-Bus is looped through. The discontinuance of the Power Contacts is especially displayed by the orange front plate of the EL9080. The EL9080 separation terminal does not have any other function or connection facility.

Technical Data	EL9011	EL9012	EL9080
Electrical isolation	-	-	500 V (E-bus/field potential)
Bit width in the process image	0		
Configuration	no address or configuration settings		
Diagnosis	-		
PE contact	no		
Renewed infeed	-		
Connection facility to additional power contact	-		
Side by side mounting on Bus Terminals with power contact	yes		
Side by side mounting on Bus Terminals without power contact	yes		
Electrical connection to mounting rail	no		
Weight	approx. 8 g	approx. 10 g	approx. 40 g
Permissible ambient temperature	-25°C ... +60°C (extended temperature range)		
Permissible ambient temperature range (during storage)	-40°C ... +85°C		
Permissible relative humidity	95%, no condensation		
Dimensions (W x H x D)	approx. 8 mm x 100 mm x 34 mm (width aligned: 5 mm)	approx. 8 mm x 100 mm x 55 mm (width aligned: 5 mm)	approx. 15 mm x 100 mm x 70 mm (width aligned: 12 mm)
<u>Mounting</u> [ <a href="#">▶ 92</a> ]	aligned to the last terminal in the terminal block		on 35 mm mounting rail conforms to EN 60715
Vibration/shock resistance	conforms to EN 60068-2-6/EN 60068-2-27		
EMC resistance burst/ESD	conforms to EN 61000-6-2/EN 61000-6-4		
Protect. class	IP 20		
Installation pos.	variable		
Marking <sup>*)</sup>	CE, EAC, UKCA		
Approval <sup>*)</sup>	ATEX [ <a href="#">▶ 86</a> ], IECEx [ <a href="#">▶ 87</a> ], cULus [ <a href="#">▶ 91</a> ]	cULus [ <a href="#">▶ 91</a> ]	ATEX [ <a href="#">▶ 86</a> ], cULus [ <a href="#">▶ 91</a> ]

\*) Real applicable approvals/markings see type plate on the side (product marking).