Automation, Logic and Time Control

ABA/S 1.2.1: What does „PoE Class 2“ mean?

The power supply for the Logic Controller can only be via PoE (Power over Ethernet) without any additional voltage.

PoE classes in general means, which max. power the supplier e.g. a switch has to deliver dependent on the power range of a consumer load (ABA/S).

The following table shows the individual classes:

Standard	Class	Type	Classification current	Max. power delivered (PSE)	Power ra (PD)
IEEE 802.3af	0	dafault	0 - 4 mA	15,4 W	0,44 - 12,9
IEEE 802.3af	1	optional	9 - 12 mA	4,0 W	0,44 - 3,84
IEEE 802.3af	2	optional	17 - 20 mA	7,0 W	3,84 - 6,49
IEEE 802.3af	3	optional	26 - 30 mA	15,4 W	6,49 - 12,9
IEEE 802.3at	4	optional	36 - 44 mA	25,5 W	12,95 - 21,9

PSE = Power supply PD = Consumer load

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