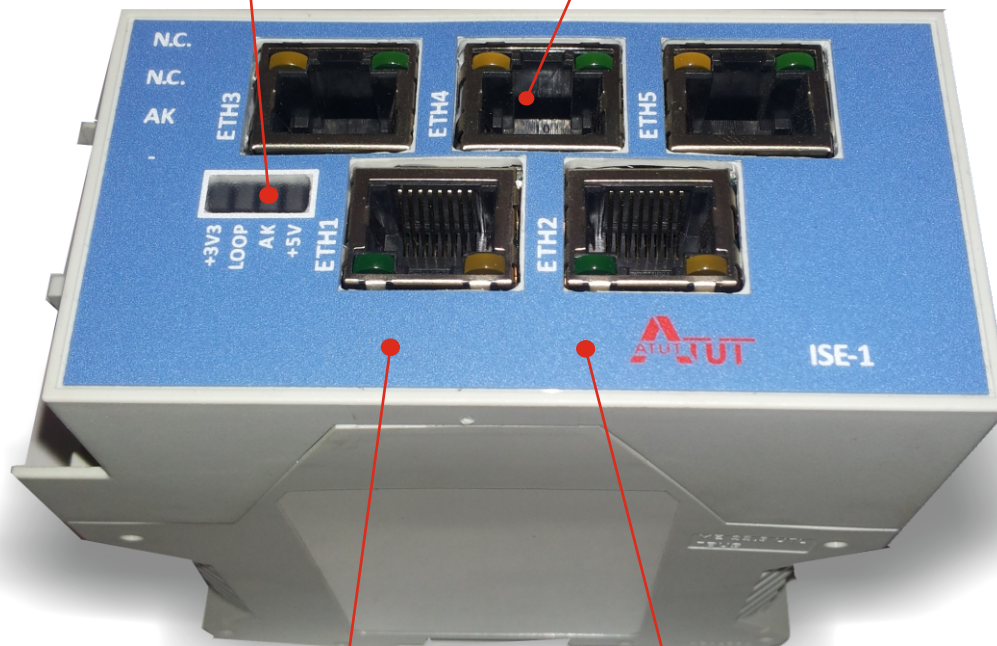


LED signaling settings
and work parameters

5 intrinsically safe 10/100Base-TX
ports with RJ-45 connector



bandwidth 10/100 Mbps,
half or full duplex connection mode

automatic MDI/MDI-X
for 10/100Base-TX ports

Device Description:

ISE-1 device is working as an Ethernet switch. It is equipped with 5 intrinsically safe 10/100Base-TX ports that automatically detect connection speed and provide half/full duplex mode. Switches can be cascaded connected, what allows to easily expand the network as needed. Connected media converter KMi-1 gives an optical output to connect with fiber optic networks. Electrical equipment is made as intrinsically safe, what allows it to be used in mining plants in chambers with danger of methane and / or coal dust explosion. Ethernet switch ISE-1 could be placed in casing providing at least IP54 protection degree.

Technical characteristics:

ATEX certificate number	KDB 14 ATEX 0111X		
Supply parameters:			
Supply voltage U_N	6,5 ÷ 15 VDC		
Maximum supply voltage U_I	15,8 VDC		
Maximum supply current I_I	2,5 A		
Power consumption for supply voltage:	6,5 V	12 V	15 V
for 2 used ports	0,24 A	0,12 A	0,09 A
for 3 used ports	0,28 A	0,14 A	0,11 A
for 4 used ports	0,33 A	0,15 A	0,12 A
for 5 used ports	0,38 A	0,18 A	0,14 A
Number of Ethernet ports	5		
Connector type	RJ-45		
Transmission speed	10/100 Mbps		
Additional functions	MDI/MDI-X (cable auto identification straight/crossed), full/half duplex (auto negotiation)		
Normal working conditions:			
Device category	I M1		
Casing type	Ex ia I Ma (module to build in a device with casing with at least IP54 protection degree and meeting the requirements of PN-EN 60079-11:2012 norm)		
Working temperature range	0°C ÷ 60°C		
Casing protection degree	IP20		
Dimensions	166x95x45 mm		
Weight	0,2 kg		

Example of use:

