



✓ Device Description:

Signals hub AHUB-8 allows to multiply RS485 communication port into 8 galvanic separated ports. This allows to connect up to 8 different devices working on RS485 hub on different potentials and with different current-voltage input parameters. The device is made as intrinsically safe and can be used in mining plants in chambers with danger of methane and / or coal dust explosion. AHUB-8 signals hub is available with supply voltage from 6 to 12 VDC (in version AHUB-8/1) or from 8 to 16 VDC (in version AHUB-8/2). Casing protection degree is only IP20, therefore it is necessary to place the device in casing with protection degree at least IP54 to provide safety in environment endangered with explosion.

Technical characteristics:

ATEX certificate number FTZÚ 12 ATEX 0056X

Supply parameters:

Supply voltage U_N
for version AHUB-8/1 $6 \div 12$ VDC
for version AHUB-8/2 $8 \div 16$ VDC

Power consumption < 80 mA

Number of separated intrinsically safe ports 8 slave + 1 master

Maximum transmission speed 960 kbps

Normal working conditions:

Device Group I
Device category M1
Casing type Ex ia I Ma
Working temperature range $0^\circ\text{C} \div 80^\circ\text{C}$
Air humidity max 95%
Casing protection degree IP54