

# 1 AND Gate

The expression  $C = A \times B$  reads as “C equals A AND B“ The multiplication sign ( $\times$ ) stands for the AND operation, same for ordinary multiplication of 1s and 0s.



## 1.1 NB

The AND operation produces a true output (result of 1) only for the single case when all of the input variables are 1 and a false output (result of 0) where

Truth table			Symbol
Two Input OR Ente		$Y = A + B$	
A	B	Y = A + B	
0	0	0	
0	1	1	
1	0	1	
1	1	1	

one or more inputs are 0.