





## Comparison between data matrix and bar code

	Data matrix code	Bar code
<b>Data capacity</b>	max. 1558 ASCII characters (3116 digits, 2335 characters)	approx. 50 characters
<b>Data integrity</b>	ECC 200, virtually no incorrect reading possible	1 check character, susceptible to incorrect reading with some code types
<b>Error correction</b>	ECC 200	None
<b>Alignment</b>	Free	Line
<b>Reading with laser scanner</b>	No	Yes
<b>Reading with CCD scanner</b>	Yes	Yes
<b>Reading with camera system</b>	Yes	Yes
<b>Sample label</b>		 E82EV152K4B000XX1L14
<b>Code type</b>	Data matrix ECC200 25 characters Symbol 18x18 Symbol size 14 mm Cell size 0.6 mm	Code 128 20 characters Code length 56 mm Bar length 5 mm Module 0.2 mm

## Size comparison between bar code and data matrix code with module size/cell size of 0.3 mm

Code 39 with 16 digits



Code 2/5 Interleaved with 16 digits



Code 128 with 16 digits



Data matrix code ECC 200 with 16 digits

