

Mastercard

Mastercard credit/debit card, including 2-series BINs.

```
^(5[1-5]\d{2}|222[1-9]|22[3-9]\d|2[3-6]\d{2}|27[01]\d|2720)\d{12}$
```

Token-by-token breakdown

Token	Meaning
^	start of string (or line in multiline mode)
(	start of a capturing group
5	literal text "5"
[1-5]	any of: 1–5
\d{2}	exactly 2 times: digit (0–9)
	OR — try the alternative
222	literal text "222"
[1-9]	any of: 1–9
	OR — try the alternative
22	literal text "22"
[3-9]	any of: 3–9
\d	any digit (0–9)
	OR — try the alternative
2	literal text "2"
[3-6]	any of: 3–6
\d{2}	exactly 2 times: digit (0–9)
	OR — try the alternative
27	literal text "27"
[01]	any of: "0", "1"
\d	any digit (0–9)
	OR — try the alternative
2720	literal text "2720"
)	end of group
\d{12}	exactly 12 times: digit (0–9)
\$	end of string (or line in multiline mode)

Quick usage in 7 languages

JavaScript `const re = /^(5[1-5]\d{2}|222[1-9]|22[3-9]\d|2[3-6]\d{2}|27[01]\d|2720)\d{12}$/;`
 `re.test(value);`

Python	<pre>import re re.match(r"^(5[1-5]\d{2} 222[1-9] 22[3-9]\d 2[3-6]\d{2} 27[01]\d 2720)\d{12}\$", value)</pre>
Java	<pre>Pattern.compile("(5[1-5]\\d{2} 222[1-9] 22[3-9]\\d 2[3-6]\\d{2} 27[01]\\d 2720)\\d{12}\$").matcher(value).matches();</pre>
C# / .NET	<pre>Regex.IsMatch(value, @"^(5[1-5]\d{2} 222[1-9] 22[3-9]\d 2[3-6]\d{2} 27[01]\d 2720)\d{12}\$");</pre>
Go	<pre>regexp.MustCompile(`^(5[1-5]\d{2} 222[1-9] 22[3-9]\d 2[3-6]\d{2} 27[01]\d 2720)\d{12}\$`) .MatchString(value)</pre>
Ruby	<pre>/^(5[1-5]\d{2} 222[1-9] 22[3-9]\d 2[3-6]\d{2} 27[01]\d 2720)\d{12}\$/ .match?(value)</pre>
PHP	<pre>preg_match('~^(5[1-5]\d{2} 222[1-9] 22[3-9]\d 2[3-6]\d{2} 27[01]\d 2720)\d{12}\$~', \$value);</pre>

Common pitfalls

- **Anchored to the whole string.** This pattern uses `^` and `$`, so it requires the entire input to match. To find it inside a longer text, drop the anchors and use the global (`g`) flag.
- **Escape it correctly per language.** In Java and JavaScript strings each backslash must be doubled (`\\d`); in Python, Go, and C# use raw/verbatim strings so the backslashes survive.
- **Validate beyond format.** Matching the format doesn't guarantee the value is real. Confirm the mastercard against a source of truth (database, API, or checksum) where it matters.