2.1.3　RJ-45 connector (modular jack) for function expansion
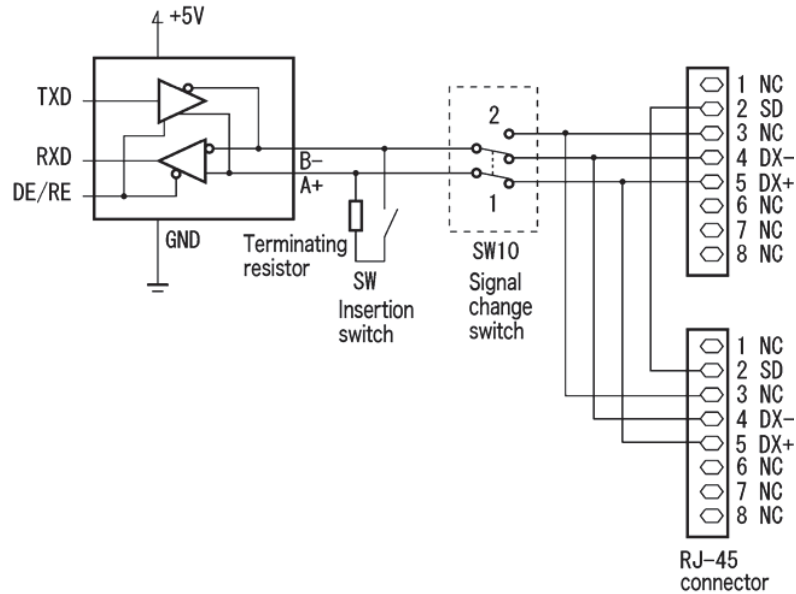
RS-485 communications card for FRENIC-Multi (option)

Two RJ-45 connectors for function expansion are provided for connection with the multi-drop circuit. The terminal symbol, terminal name, and functions are shown in the table below. The connector for standard equipment and that for a relay have the same specifications without any distinction.

Pin No.	Signal name	Description	Remarks
1, 6, 7, 8	NC	Unused	–
2	SD	Communications cable shielded terminal	Terminal for relaying the shield of the shielded cable. The 2nd terminals of the two RJ-45 connectors are internally connected with each other.
3	–	Unused	The 3rd terminals of the two RJ-45 connectors are internally connected with each other.
4	DX-	RS-485 communications data (-) terminal	Negative terminal for RS-485 communications data
5	DX+	RS-485 communications data (+) terminal	Positive terminal for RS-485 communications data

CAUTION　The RJ-45 connector for function expansion differs in terminal functions from the RJ-45 connected with the keypad built in the inverter.

* For details regarding terminator insertion switch (insertion SW), see "2.2.2 Cautions [2] About terminating resistors."