



Expertise Applied | Answers Delivered

8755 W. Higgins Road
Suite 500
Chicago, IL 60631

www.littelfuse.com

Product Change Notice (PCN)

(02/27/2023)

To whom it may concern,

Littelfuse would like to notify of a change related to Hall Sensors series 55505 and 55075.

Details of Changes:

- Updates are valid for the 55505 & 55075 products after the date code 18/2023.
- The updated 55505 & 55075 Hall Sensors characteristics are specified in the tables below:
 - Electrical ratings – tables #1 & #2
- There are no changes related to the fit and form of the sensors.
- Samples of the new type sensors are available on request.
- Last time buy is available on request. Please reach out by 21 March 2023 for this.

If you have any additional questions or concerns, please contact me or your Regional Sales Manager.

Best Regards,

Julius Venckus
Global Product Manager – Sensors
Electronics Business Unit
Littelfuse Inc.
E-mail: jvenckus@littelfuse.com

Michaela Schnelle
Assistant Product Manager - Sensors
Electronics Business Unit
Littelfuse Inc.
E-mail: mschnelle@littelfuse.com



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**Table #1:
55505 Speed Sensor**

Electrical Ratings

Hall Type		Digital Switch 3-Wire (Voltage Output)		Updated Digital Switch 3-Wire Ratings
Supply Voltage ¹	Operate	Vdc	4.75 to 24	4.75 to 25.2
	Reverse Voltage		--	-25
	Oversvoltage Protection	Vdc - max	27	27
Output High Voltage		Vdc (min)	VDD - 2 <small>(sinking output w/internal pull-up resistor)</small>	VDD - 2 <small>(sinking output w/internal pull-up resistor)</small>
Output Low Voltage		Vdc (max)	0.6 @ 20mA	0.6 @ 25mA
Output Current (continuously on)		mA (max)	20	25
Current Consumption		mA (min)	1.0	1.0
		mA (max)	10.5	6.0
Switching Speed		kHz (max)	15	15
Temperature	Operating	°C	-40 to +125	-40 to +125

Notes:

1. As long as TJ (Junction Temperature) is not exceeded

**Table #2:
55075 Speed Sensor**

Electrical Ratings

Hall Type		Digital Switch 3-Wire (Voltage Output)		Updated Digital Switch 3-Wire Ratings
Supply Voltage ¹	Operate	Vdc	-25.0 to 25.2	4.75 to 25.2
	Reverse Voltage		--	-25
	Oversvoltage Protection	Vdc - max	27	27
Output High Voltage		Vdc (min)	VDD - 2 <small>(sinking output w/internal pull-up resistor)</small>	VDD - 2 <small>(sinking output w/internal pull-up resistor)</small>
Output Low Voltage		Vdc (max)	0.6 @ 20mA	0.6 @ 25mA
Output Current (continuously on)		mA (max)	20	25
Current Consumption		mA (min)	1.0	1.0
		mA (max)	10.5	6.0
Switching Speed		kHz (max)	15	15
Temperature	Operating	°C	-40 to +85	-40 to +125

Notes:

1. As long as TJ (Junction Temperature) is not exceeded

List of part numbers affected by PCN

55505-00-02-A

55505-00-02-B

55075-00-02-A

55075-00-03-A

55075-00-05-A