



# Kinetix Servo Drive Performance Specifications per Ecodesign Regulation (EU) 2019/1781

Bulletin Numbers 5100, 5300, 5500, 5700, 7000

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## Summary of Changes

This publication contains the following new or updated information. This list includes substantive updates only and is not intended to reflect all changes.

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Added Kinetix 5100 EtherNet/IP Indexing Servo Drives data	3

## Overview

The Ecodesign regulation EU 2019/1781 requires that the drive meet the IE2 efficiency class. In order to meet the IE2 efficiency class, the complete drive module (CDM) power losses must be at least 25% lower than the reference drive (RCDM) power losses as defined by the regulation at the (90% speed, 100% torque) operating point. In the Load (%) tables, 10% speed approximates 0% speed.

This publication lists energy efficiency performance data for Rockwell Automation Kinetix® Servo drives. This data supports IE2 compliance of Kinetix Servo drives per EU 2019/1781.

The following Kinetix drive families are within the EU 2019/1781 defined scope and meet, or exceed, the IE2 requirement:

- Kinetix 5100
- Kinetix 5300
- Kinetix 5500
- Kinetix 5700<sup>(1)</sup>
- Kinetix 7000

(1) Products with multiple outputs, such as the 2198-DXXX-ERSx, are out of scope of the regulation.

## Kinetix 5100 EtherNet/IP Indexing Servo Drives

These tables provide drive power module losses for Kinetix 5100 EtherNet/IP™ Indexing Servo Drives.

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### Kinetix 5100 Servo Drive, 230V

#### 230V Servo Drive Information

Catalog Number	Rated Output Current (A)	Rated Apparent Power (kVA)	Standby Losses to S Rated (%)
2198-E1004-ERS	2.6	1.2	1.9
2198-E1007-ERS	5.1	2.3	1.1
2198-E1015-ERS	7.9	3.6	0.7
2198-E1020-ERS	13.4	6.2	0.5
2198-E2030-ERS	17.9	8.2	0.4
2198-E2055-ERS	41.3	19.0	0.2
2198-E2075-ERS	49	22.5	0.2
2198-E2150-ERS	78	35.9	0.3

#### Nominal 230V Servo Drive Loss Summary

	Catalog Number	Load % (Speed/Torque)							
		10/25	10/50	10/100	50/25	50/50	50/100	90/50	90/100
CDM Loss \ Rated Apparent Power (%)	2198-E1004-ERS	2.9	3.0	3.2	3.0	3.0	3.4	3.1	3.5
	2198-E1007-ERS	1.8	1.9	2.3	1.8	2.0	2.4	2.0	2.6
	2198-E1015-ERS	1.5	1.7	2.1	1.5	1.8	2.3	1.8	2.4
	2198-E1020-ERS	1.3	1.4	1.8	1.3	1.5	2.0	1.6	2.2
	2198-E2030-ERS	1.0	1.2	1.7	1.0	1.2	1.8	1.3	2.0
	2198-E2055-ERS	0.8	1.0	1.5	0.8	1.0	1.7	1.1	1.8
	2198-E2075-ERS	0.7	0.8	1.1	0.7	0.9	1.3	1.0	1.6
	2198-E2150-ERS	0.7	0.8	1.2	0.7	0.9	1.3	1.0	1.6
Overall CDM Losses (W)	2198-E1004-ERS	35.2	35.5	38.5	35.6	36.3	40.2	37.0	41.9
	2198-E1007-ERS	41.5	44.9	53.3	42.3	46.5	56.6	48.1	60.3
	2198-E1015-ERS	54.6	61.0	76.0	55.9	63.6	81.8	66.4	88.6
	2198-E1020-ERS	77.0	86.7	109.2	79.2	91.2	120.5	96.5	135.4
	2198-E2030-ERS	80.4	95.4	136.8	83.3	101.3	150.6	107.9	167.6
	2198-E2055-ERS	149.2	184.2	282.7	156.0	197.8	313.5	212.6	349.6
	2198-E2075-ERS	151.9	180.0	257.7	160.6	198.3	302.9	220.6	365.1
	2198-E2150-ERS	248.3	292.0	415.2	261.5	318.9	477.6	350.0	558.6

## Kinetix 5100 Servo Drive, 480V

### 480V Servo Drive Information

Catalog Number	Rated Output Current (A)	Rated Apparent Power (kVA)	Standby Losses to S Rated (%)
2198-E4004-ERS	1.6	1.5	2.0
2198-E4007-ERS	3.2	3.1	1.0
2198-E4015-ERS	6.1	5.8	0.5
2198-E4020-ERS	7.4	7.1	0.5
2198-E4030-ERS	14.0	13.4	0.3
2198-E4055-ERS	24.8	23.8	0.2
2198-E4075-ERS	31	29.8	0.2
2198-E4150-ERS	41.3	39.6	0.3

### Nominal 480V Servo Drive Loss Summary

	Catalog Number	Load % (Speed/Torque)							
		10/25	10/50	10/100	50/25	50/50	50/100	90/50	90/100
CDM Loss \ Rated Apparent Power (%)	2198-E4004-ERS	3.4	3.6	3.9	3.4	3.6	4.0	3.6	4.1
	2198-E4007-ERS	2.1	2.2	2.6	2.1	2.3	2.7	2.3	2.7
	2198-E4015-ERS	1.5	1.6	2.0	1.5	1.7	2.1	1.7	2.1
	2198-E4020-ERS	1.3	1.5	1.8	1.3	1.5	1.8	1.5	1.9
	2198-E4030-ERS	1.0	1.2	1.7	1.0	1.2	1.8	1.3	1.8
	2198-E4055-ERS	0.9	1.0	1.5	0.9	1.1	1.6	1.1	1.7
	2198-E4075-ERS	0.8	1.0	1.5	0.8	1.0	1.5	1.1	1.6
	2198-E4150-ERS	0.9	1.1	1.6	1.0	1.2	1.7	1.2	1.8
Overall CDM Losses (W)	2198-E4004-ERS	52.2	54.9	60.6	52.5	55.3	61.6	55.8	62.6
	2198-E4007-ERS	63.4	68.4	79.6	63.9	69.4	81.7	70.4	83.9
	2198-E4015-ERS	86.3	95.3	115.4	87.2	97.1	119.4	99.0	124.1
	2198-E4020-ERS	93.4	103.5	126.2	94.6	105.9	131.6	108.5	137.7
	2198-E4030-ERS	136.6	160.2	224.1	139.0	165.0	234.9	170.1	247.0
	2198-E4055-ERS	203.1	241.8	347.6	207.5	250.9	369.5	261.4	397.6
	2198-E4075-ERS	247.0	297.6	434.8	252.6	308.8	460.3	321.1	490.7
	2198-E4150-ERS	371.5	442.8	636.5	378.8	457.4	669.0	473.1	706.7

## Kinetix 5300 Single-axis EtherNet/IP Servo Drives

These tables provide drive power module losses for Kinetix 5300 Single-axis EtherNet/IP Servo Drives.

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### Kinetix 5300 Servo Drive, 230V

#### 230V Servo Drive Information

Catalog Number	Rated Output Current (A)	Rated Apparent Power (kVA)	Standby Losses to S Rated (%)
2198-C1004-ERS	2.8	0.9	0.8
2198-C1007-ERS	4.6	1.6	0.5
2198-C1015-ERS	8.5	2.9	0.5
2198-C1020-ERS	12.2	4.1	0.4
2198-C2030-ERS	19.6	6.6	0.2
2198-C2055-ERS	40.2	13.6	0.2
2198-C2075-ERS	47.7	16.2	0.2

#### Nominal 230V Servo Drive Loss Summary

	Catalog Number	Load % (Speed/Torque)							
		10/25	10/50	10/100	50/25	50/50	50/100	90/50	90/100
CDM Loss \ Rated Apparent Power (%)	2198-C1004-ERS	2.2	2.2	2.5	2.2	2.3	2.7	2.4	2.9
	2198-C1007-ERS	1.3	1.5	2.0	1.4	1.6	2.1	1.7	2.2
	2198-C1015-ERS	1.4	1.6	2.1	1.4	1.7	2.2	1.7	2.4
	2198-C1020-ERS	1.4	1.7	2.2	1.5	1.8	2.4	1.8	2.6
	2198-C2030-ERS	1.6	1.9	2.5	1.6	1.9	2.7	2.0	2.9
	2198-C2055-ERS	1.0	1.2	1.9	1.0	1.3	2.0	1.4	2.2
	2198-C2075-ERS	0.9	1.2	1.9	1.0	1.3	2.0	1.3	2.2
Overall CDM Losses (W)	2198-C1004-ERS	20.6	21.0	24.2	21.1	21.8	25.7	22.7	27.6
	2198-C1007-ERS	20.8	23.7	30.5	21.2	24.7	32.5	25.8	35.0
	2198-C1015-ERS	40.4	46.3	60.0	41.1	47.9	63.4	49.8	68.0
	2198-C1020-ERS	59.8	69.7	92.2	61.1	72.3	98.1	75.7	106.2
	2198-C2030-ERS	103.6	123.1	167.6	105.6	127.8	178.7	134.1	195.6
	2198-C2055-ERS	132.6	166.4	259.7	136.9	175.0	278.4	184.1	299.0
	2198-C2075-ERS	151.1	191.7	305.0	156.2	202.1	327.9	213.3	353.6

## Kinetix 5300 Servo Drive, 480V

### 480V Servo Drive Information

Catalog Number	Rated Output Current (A)	Rated Apparent Power (kVA)	Standby Losses to S Rated (%)
2198-C4004-ERS	1.5	1.1	0.7
2198-C4007-ERS	2.9	2.0	0.4
2198-C4015-ERS	5.2	3.7	0.4
2198-C4020-ERS	7.3	5.2	0.3
2198-C4030-ERS	11.7	8.3	0.2
2198-C4055-ERS	22.6	16.0	0.2
2198-C4075-ERS	27.5	19.4	0.2

### Nominal 480V Servo Drive Loss Summary

	Catalog Number	Load % (Speed/Torque)							
		10/25	10/50	10/100	50/25	50/50	50/100	90/50	90/100
CDM Loss \ Rated Apparent Power (%)	2198-C4004-ERS	2.6	2.6	3.0	2.6	2.7	3.1	2.7	3.2
	2198-C4007-ERS	1.7	1.9	2.5	1.7	2.0	2.6	2.1	2.8
	2198-C4015-ERS	1.6	1.8	2.3	1.6	1.8	2.4	1.9	2.5
	2198-C4020-ERS	1.4	1.6	2.2	1.4	1.7	2.3	1.7	2.4
	2198-C4030-ERS	1.1	1.4	2.1	1.1	1.4	2.2	1.4	2.3
	2198-C4055-ERS	1.1	1.3	2.0	1.1	1.4	2.1	1.4	2.2
	2198-C4075-ERS	1.1	1.3	2.0	1.1	1.3	2.0	1.4	2.1
Overall CDM Losses (W)	2198-C4004-ERS	27.2	27.6	31.5	27.5	28.1	32.4	28.7	33.5
	2198-C4007-ERS	34.7	39.9	51.7	35.2	41.0	54.2	42.2	57.3
	2198-C4015-ERS	57.2	65.9	86.0	57.8	67.2	89.0	68.7	92.5
	2198-C4020-ERS	71.8	84.4	113.6	72.6	86.1	117.8	88.0	122.9
	2198-C4030-ERS	91.1	113.3	173.2	92.4	116.1	180.4	119.5	190.2
	2198-C4055-ERS	173.0	213.6	324.2	175.8	219.3	337.7	225.3	352.6
	2198-C4075-ERS	205.6	252.7	379.9	209.1	259.7	395.7	266.9	412.5

## Kinetix 5500 Servo Drives

These tables provide drive power module losses for Kinetix 5500 Servo drives.

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## Kinetix 5500 Servo Drive, 240V

### 230V Servo Drive Information

Catalog Number	Rated Output Current (A)	Rated Apparent Power (kVA)	Standby Losses to S Rated (%)
2198-H003-ERS/2	1	0.4	2.3
2198-H008-ERS/2	2.5	1.0	0.9
2198-H015-ERS/2	5	2.1	0.9
2198-H025-ERS/2	8	3.3	0.6
2198-H040-ERS/2	13	5.4	0.4
2198-H070-ERS/2	23	9.6	0.3

### Nominal 240V Servo Drive Loss Summary

	Catalog Number	Load % (Speed/Torque)							
		10/25	10/50	10/100	50/25	50/50	50/100	90/50	90/100
CDM Loss \ Rated Apparent Power (%)	2198-H003-ERS/2	5.7	5.8	6.4	5.8	5.8	6.5	5.9	6.7
	2198-H008-ERS/2	2.6	2.6	3.0	2.6	2.7	3.2	2.8	3.3
	2198-H015-ERS/2	2.2	2.4	2.9	2.2	2.5	3.1	2.6	3.3
	2198-H025-ERS/2	2.3	2.6	3.3	2.3	2.7	3.5	2.7	3.6
	2198-H040-ERS/2	1.5	1.8	2.3	1.6	1.9	2.5	1.9	2.7
	2198-H070-ERS/2	1.2	1.5	2.1	1.2	1.5	2.3	1.6	2.5
Overall CDM Losses (W)	2198-H003-ERS/2	23.8	24.0	26.6	23.9	24.3	27.2	24.6	27.8
	2198-H008-ERS/2	26.9	27.3	31.3	27.3	28.0	32.8	28.7	34.4
	2198-H015-ERS/2	45.6	50.3	61.0	46.4	51.8	64.2	53.3	67.6
	2198-H025-ERS/2	75.2	85.7	109.8	76.4	88.3	115.3	90.9	121.3
	2198-H040-ERS/2	83.3	96.1	125.9	85.4	100.3	135.1	104.7	145.2
	2198-H070-ERS/2	115.6	139.2	205.5	119.2	146.5	222.4	154.2	241.1

## Kinetix 5500 Servo Drive, 480V

### 480V Drive Information

Catalog Number	Rated Output Current (A)	Rated Apparent Power (kVA)	Standby Losses to S Rated (%)
2198-H003-ERS/2	1	0.8	1.2
2198-H008-ERS/2	2.5	2.1	0.5
2198-H015-ERS/2	5	4.2	0.5
2198-H025-ERS/2	8	6.7	0.3
2198-H040-ERS/2	13	10.8	0.2
2198-H070-ERS/2	23	19.1	0.2

### Nominal 480V Servo Drive Loss Summary

	Catalog Number	Load % (Speed/Torque)							
		10/25	10/50	10/100	50/25	50/50	50/100	90/50	90/100
CDM Loss \ Rated Apparent Power (%)	2198-H003-ERS/2	2.9	2.9	3.2	2.9	2.9	3.3	3.0	3.3
	2198-H008-ERS/2	1.1	1.2	1.5	1.1	1.3	1.6	1.3	1.7
	2198-H015-ERS/2	1.1	1.2	1.5	1.1	1.2	1.5	1.3	1.6
	2198-H025-ERS/2	1.1	1.3	1.6	1.1	1.3	1.7	1.4	1.8
	2198-H040-ERS/2	0.7	0.8	1.2	0.7	0.8	1.2	0.9	1.3
	2198-H070-ERS/2	0.6	0.7	1.1	0.6	0.8	1.2	0.8	1.3
Overall CDM Losses (W)	2198-H003-ERS/2	23.7	24.0	26.5	23.9	24.3	27.1	24.6	27.8
	2198-H008-ERS/2	22.8	25.4	31.2	23.2	26.1	32.7	26.8	34.3
	2198-H015-ERS/2	45.5	50.2	60.9	46.3	51.7	64.1	53.2	67.5
	2198-H025-ERS/2	75.0	85.6	109.6	76.3	88.1	115.1	90.7	121.0
	2198-H040-ERS/2	71.1	85.5	125.6	73.2	89.7	134.9	94.0	144.9
	2198-H070-ERS/2	115.5	139.0	205.2	119.1	146.2	222.0	153.9	240.7



## Kinetix 5700 Servo Drives

These tables provide drive power module losses for Kinetix 5700 Servo drives.

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### Kinetix 5700 Servo Drive, 240V

#### 240V Servo Drive Information

Catalog Number	Rated Output Current (A)	Rated Apparent Power (kVA)	Standby Losses to S Rated (%) <sup>(1)</sup>
2198-S086-ERS3/4	43	17.9	0.6
2198-S130-ERS3/4	65	27.0	0.4
2198-S160-ERS3/4	85	35.3	0.6
2198-S263-ERS3/4	150	62.4	0.4
2198-S312-ERS3/4	192	79.8	0.3

(1) Standby losses assume an appropriately sized 2198-P series converter solution.

#### Nominal 240V Servo Drive Loss Summary

	Catalog Number	Load % (Speed/Torque)							
		10/25	10/50	10/100	50/25	50/50	50/100	90/50	90/100
CDM Loss \ Rated Apparent Power (%)	2198-S086-ERS3/4	1.4	1.6	2.2	1.4	1.7	2.4	1.8	2.6
	2198-S130-ERS3/4	1.4	1.7	2.5	1.5	1.8	2.7	1.9	2.9
	2198-S160-ERS3/4 <sup>(1)</sup>	1.7	2.1	3.2	1.7	2.2	3.4	2.3	3.6
	2198-S263-ERS3/4 <sup>(2)</sup>	1.6	2.0	3.0	1.7	2.1	3.2	2.2	3.5
	2198-S312-ERS3/4 <sup>(2)</sup>	1.4	1.8	2.8	1.5	1.9	3.0	2.0	3.3
Overall CDM Losses (W)	2198-S086-ERS3/4	244.5	282.8	389.7	252.1	297.8	423.0	313.4	458.5
	2198-S130-ERS3/4	382.9	462.6	684.2	395.0	486.7	737.9	511.9	796.7
	2198-S160-ERS3/4 <sup>(1)</sup>	588.9	739.0	1127.9	605.0	771.2	1201.1	805.4	1283.1
	2198-S263-ERS3/4 <sup>(2)</sup>	1010.1	1258.8	1886.1	1039.0	1317.8	2023.7	1383.2	2188.8
	2198-S312-ERS3/4 <sup>(2)</sup>	1142.5	1446.0	2236.7	1180.5	1524.7	2425.9	1614.2	2660.1

(1) Converter is assumed to be two paralleled 2198-P208 modules with required line reactors.

(2) Converter is assumed to be three paralleled 2198-P208 modules with required line reactors.

## Kinetix 5700 Servo Drive, 480V

### 480V Servo Drive Information

Catalog Number	Rated Output Current (A)	Rated Apparent Power (kVA)	Standby Losses to S Rated (%) <sup>(1)</sup>
2198-S086-ERS3/4	43	35.7	0.3
2198-S130-ERS3/4	65	54.0	0.2
2198-S160-ERS3/4	85	70.7	0.3
2198-S263-ERS3/4	150	124.7	0.2
2198-S312-ERS3/4	192	159.6	0.2

(1) Standby losses assume an appropriately sized 2198-P series converter solution.

### Nominal 480V Servo Drive Loss Summary

	Catalog Number	Load % (Speed/Torque)							
		10/25	10/50	10/100	50/25	50/50	50/100	90/50	90/100
CDM Loss \ Rated Apparent Power (%)	2198-S086-ERS3/4	0.7	0.8	1.1	0.7	0.8	1.2	0.9	1.3
	2198-S130-ERS3/4	0.7	0.9	1.3	0.7	0.9	1.4	0.9	1.5
	2198-S160-ERS3/4 <sup>(1)</sup>	0.8	1.0	1.6	0.8	1.1	1.7	1.1	1.8
	2198-S263-ERS3/4 <sup>(2)</sup>	0.8	1.0	1.5	0.8	1.1	1.6	1.1	1.8
	2198-S312-ERS3/4 <sup>(2)</sup>	0.7	0.9	1.4	0.7	1.0	1.5	1.0	1.7
Overall CDM Losses (W)	2198-S086-ERS3/4	244.2	282.4	389.0	251.8	297.4	422.2	312.9	457.7
	2198-S130-ERS3/4	382.2	461.7	682.7	394.3	485.7	736.3	510.9	795.0
	2198-S160-ERS3/4 <sup>(1)</sup>	568.0	724.0	1125.9	584.5	756.9	1198.9	791.8	1280.6
	2198-S263-ERS3/4 <sup>(2)</sup>	1008.3	1256.6	1882.4	1037.1	1315.2	2019.2	1380.4	2183.4
	2198-S312-ERS3/4 <sup>(2)</sup>	1140.4	1443.2	2232.0	1178.2	1521.6	2419.9	1610.6	2652.7

(1) Converter is assumed to be two paralleled 2198-P208 modules with required line reactors.  
 (2) Converter is assumed to be three paralleled 2198-P208 modules with required line reactors.

## Kinetix 7000 High Power Servo Drives

These tables provide drive power module losses for Kinetix 7000 High Power Servo drives.

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### Kinetix 7000 Servo Drive, 480V

#### 480V Servo Drive Information

Catalog Number	Rated Output Current (A)	Rated Apparent Power (kVA)	Standby Losses to S Rated (%)
2198-2099-BM06	40	31.9	0.2
2198-2099-BM07	52	41.4	0.2
2198-2099-BM08	65	51.8	0.2
2198-2099-BM09	96	76.5	0.1
2198-2099-BM10	125	99.6	0.1
2198-2099-BM11	180	143.4	0.1
2198-2099-BM12	248	197.6	0.1

#### Nominal 480V Servo Drive Loss Summary

	Catalog Number	Load % (Speed/Torque)							
		10/25	10/50	10/100	50/25	50/50	50/100	90/50	90/100
CDM Loss \ Rated Apparent Power (%)	2198-2099-BM06	0.7	0.8	1.3	0.7	0.9	1.4	0.9	1.6
	2198-2099-BM07	0.6	0.8	1.2	0.6	0.8	1.3	0.9	1.5
	2198-2099-BM08	0.6	0.8	1.3	0.7	0.8	1.4	0.9	1.5
	2198-2099-BM09	0.7	0.8	1.3	0.7	0.9	1.3	0.9	1.4
	2198-2099-BM10	0.7	0.9	1.4	0.7	0.9	1.4	1.0	1.5
	2198-2099-BM11	0.6	0.8	1.3	0.7	0.9	1.4	0.9	1.5
	2198-2099-BM12	0.5	0.6	1.0	0.5	0.7	1.2	0.8	1.3
Overall CDM Losses (W)	2198-2099-BM06	212.3	261.5	410.8	221.2	279.7	451.7	299.4	498.5
	2198-2099-BM07	254.4	315.4	501.2	266.1	339.4	555.5	365.6	618.2
	2198-2099-BM08	333.2	412.3	650.3	345.8	438.0	708.9	466.4	778.1
	2198-2099-BM09	518.8	631.8	966.5	533.9	662.0	1031.5	695.4	1108.7
	2198-2099-BM10	717.3	878.4	1354.5	737.1	917.8	1439.2	961.3	1539.8
	2198-2099-BM11	919.1	1143.9	1827.4	958.0	1222.5	2001.8	1305.0	2192.0
	2198-2099-BM12	1024.8	1278.0	2074.3	1075.8	1380.8	2300.8	1490.7	2555.5

## Notes:

## Additional Resources

These documents contain additional information concerning related products from Rockwell Automation.

Resource	Description
EtherNet/IP Network Devices User Manual, <a href="#">ENET-UM006</a>	Describes how to configure and use EtherNet/IP devices to communicate on the EtherNet/IP network.
Ethernet Reference Manual, <a href="#">ENET-RM002</a>	Describes basic Ethernet concepts, infrastructure components, and infrastructure features.
System Security Design Guidelines Reference Manual, <a href="#">SECURE-RM001</a>	Provides guidance on how to conduct security assessments, implement Rockwell Automation products in a secure system, harden the control system, manage user access, and dispose of equipment.
Industrial Components Preventive Maintenance, Enclosures, and Contact Ratings Specifications, publication <a href="#">IC-TD002</a>	Provides a quick reference tool for Allen-Bradley industrial automation controls and assemblies.
Safety Guidelines for the Application, Installation, and Maintenance of Solid-state Control, publication <a href="#">SGI-1.1</a>	Designed to harmonize with NEMA Standards Publication No. ICS 1.1-1987 and provides general guidelines for the application, installation, and maintenance of solid-state control in the form of individual devices or packaged assemblies incorporating solid-state components.
Industrial Automation Wiring and Grounding Guidelines, publication <a href="#">1770-4.1</a>	Provides general guidelines for installing a Rockwell Automation industrial system.
Product Certifications website, <a href="http://rok.auto/certifications">rok.auto/certifications</a> .	Provides declarations of conformity, certificates, and other certification details.

You can view or download publications at [rok.auto/literature](http://rok.auto/literature).

# Rockwell Automation Support

Use these resources to access support information.

<b>Technical Support Center</b>	Find help with how-to videos, FAQs, chat, user forums, and product notification updates.	<a href="http://rok.auto/support">rok.auto/support</a>
<b>Knowledgebase</b>	Access Knowledgebase articles.	<a href="http://rok.auto/knowledgebase">rok.auto/knowledgebase</a>
<b>Local Technical Support Phone Numbers</b>	Locate the telephone number for your country.	<a href="http://rok.auto/phonesupport">rok.auto/phonesupport</a>
<b>Literature Library</b>	Find installation instructions, manuals, brochures, and technical data publications.	<a href="http://rok.auto/literature">rok.auto/literature</a>
<b>Product Compatibility and Download Center (PCDC)</b>	Download firmware, associated files (such as AOP, EDS, and DTM), and access product release notes.	<a href="http://rok.auto/pcdc">rok.auto/pcdc</a>

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Rockwell Automation maintains current product environmental compliance information on its website at [rok.auto/pec](http://rok.auto/pec).

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