

MANUFACTURER DOCUMENT PACKAGE

Manufacturer's Manual

Reference package for procurement and maintenance review

ALLEN-BRADLEY

5069-L340ERMS2

COMPACT GUARDLOGIX CONTROLLER

Used with the applicable Allen-Bradley Compact GuardLogix 5380 configuration.

REFERENCE PACKAGE

OFFICIAL DOCUMENT

Selected official manufacturer pages follow this cover.

Source: CompactLogix 5380 and Compact GuardLogix 5380 Controllers User Manual

System	Cat. No.	Studio 5000 Logix Designer® Application {For compatible Linx-based communication software and ControlFLASH Plus® software, see the Product Compatibility and Download Center (PCDC) .
CompactLogix® 5380 controllers	5069-L306ER, 5069-L306ERM, 5069-L310ER, 5069-L310ERM, 5069-L310ERMK, 5069-L310ER-NSE, 5069-L320ER, 5069-L320ERM, 5069-L320ERMK, 5069-L330ER, 5069-L330ERM, 5069-L330ERMK, 5069-L340ER, 5069-L340ERM, 5069-L350ERM, 5069-L350ERMK, 5069-L380ERM, 5069-L3100ERM	Version 28 or later
	5069-L306ER, 5069-L306ERM, 5069-L310ER, 5069-L310ERM, 5069-L310ERMK, 5069-L310ER-NSE, 5069-L320ERM, 5069-L320ERMK, 5069-L330ER, 5069-L330ERM, 5069-L330ERMK, 5069-L340ER, 5069-L350ERM, 5069-L350ERMK, 5069-L380ERM, 5069-L3100ERM	Version 29 or later
	5069-L350ERM, 5069-L350ERMK, 5069-L380ERM, 5069-L3100ERM	Version 30 or later
Compact GuardLogix®5380 SIL 2 controllers For more information on safety ratings, see Compact GuardLogix Functional Safety on page 47 .	5069-L306ERS2, 5069-L306ERMS2, 5069-L310ERS2, 5069-L310ERS2K, 5069-L310ERMS2, 5069-L310ERMS2K, 5069-L320ERS2, 5069-L320ERS2K, 5069-L320ERMS2, 5069-L320ERMS2K, 5069-L330ERS2, 5069-L330ERS2K, 5069-L330ERMS2, 5069-L330ERMS2K, 5069-L340ERS2, 5069-L340ERMS2, 5069-L350ERS2, 5069-L350ERS2K, 5069-L350ERMS2, 5069-L350ERMS2K, 5069-L380ERS2, 5069-L3100ERS2, 5069-L3100ERMS2	Version 31 or later
Compact GuardLogix®5380 SIL 3 controllers For more information on safety ratings, see Compact GuardLogix Functional Safety on page 47 .	5069-L306ERMS3, 5069-L310ERMS3, 5069-L310ERMS3K, 5069-L320ERMS3, 5069-L320ERMS3K, 5069-L330ERMS3, 5069-L330ERMS3K, 5069-L340ERMS3, 5069-L350ERMS3, 5069-L350ERMS3K, 5069-L380ERMS3, 5069-L3100ERMS3	Version 32 or later

Table 2. CompactLogix 5380 and Compact GuardLogix 5380 Controller Features (continued)

Feature	CompactLogix® 5380 Controllers		Compact GuardLogix® 5380 Controllers	
			5069-L310ERMS2K, 5069-L310ERMS3, 5069-L310ERMS3K	
	5069-L320ER, 5069-L320ERM, 5069-L320ERP	2 MB	5069-L320ERS2, 5069-L320ERS2K, 5069-L320ERMS2, 5069-L320ERMS2K, 5069-L320ERMS3, 5069-L320ERMS3K	2 MB
	5069-L330ER, 5069-L330ERM	3 MB	5069-L330ERS2, 5069-L330ERS2K, 5069-L330ERMS2, 5069-L330ERMS2K, 5069-L330ERMS3, 5069-L330ERMS3K	3 MB
	5069-L340ER, 5069-L340ERM, 5069-L340ERP	4 MB	5069-L340ERS2, 5069-L340ERMS2, 5069-L340ERMS3	4 MB
	5069-L350ERM	5 MB	5069-L350ERS2, 5069-L350ERS2K, 5069-L350ERMS2, 5069-L350ERMS2K, 5069-L350ERMS3, 5069-L350ERMS3K	5 MB
	5069-L380ERM	8 MB	5069-L380ERS2, 5069-L380ERMS2, 5069-L380ERMS3	8 MB
	5069-L3100ERM	10 MB	5069-L3100ERS2, 5069-L3100ERMS2, 5069-L3100ERMS3	10 MB
Safety memory	—		5069-L306ERS2, 5069-L306ERMS2, 5069-L306ERMS3	0.3 MB
	—		5069-L310ER, 5069-L310ER-NSE, 5069-L310ERM, 5069-L310ERMK	0.5 MB
	—		5069-L320ERS2, 5069-L320ERS2K, 5069-L320ERMS2, 5069-L320ERMS2K,	1 MB

Table 2. CompactLogix 5380 and Compact GuardLogix 5380 Controller Features (continued)

Feature	CompactLogix® 5380 Controllers		Compact GuardLogix® 5380 Controllers	
			5069-L320ERMS3, 5069-L320ERMS3K	
	—		5069-L330ERS2, 5069-L330ERS2K, 5069-L330ERMS2, 5069-L330ERMS2K, 5069-L330ERMS3, 5069-L330ERMS3K	1.5 MB
	—		5069-L340ERS2, 5069-L340ERMS2, 5069-L340ERMS3	2 MB
	—		5069-L350ERS2, 5069-L350ERS2K, 5069-L350ERMS2, 5069-L350ERMS2K,- 5069-L350ERMS3, 5069-L350ERMS3K	2.5 MB
	—		5069-L380ERS2, 5069-L380ERMS2, 5069-L380ERMS3	4 MB
	—		5069-L3100ERS2, 5069-L3100ERMS2, 5069-L3100ERMS3	5 MB
Controller tasks	32 tasks 1000 programs/task Event tasks; all event triggers		32 tasks 31 standard tasks 1 safety task 1000 programs/task Event tasks; all event triggers	
Communication ports	1 - USB port, 2.0 full-speed, Type B 2 - Embedded Ethernet ports, 10 Mbps, 100 Mbps, 1 Gbps			
EtherNet/IP™ network topologies supported	Device Level Ring (DLR) Star Linear			
EtherNet/IP™ modes	Linear/DLR mode Dual-IP mode - Available with the Logix Designer application, version 29 or later.			
EtherNet/IP™ nodes supported, max A node is an EtherNet/IP™ device that you add directly to the I/O configuration, and	5069-L306ER, 5069-L306ERM	16 nodes	5069-L306ERS2, 5069-L306ERMS2, 5069-L306ERMS3	16 nodes