

Product Details and Certifications

Cross Reference RA Part Number: PN-190616

 **Product: 193-EIO-43-120**

Description: E300 Overload Relay (193/592 IEC/NEMA) 4 Inputs /
3 Outputs Control Module, 120V AC



Representative Photo Only (actual product may vary based on configuration sections)

OVERLOAD DATA

Bulletin Number	193-IEC Overload Relay
Sensing Module Type	I/O Only Control Module
I/O Count	4 Inputs / 3 Relay Outputs
Control Voltage	110...120V AC, 50/60 Hz

CERTIFICATIONS AND APPROVALS

UL
CSA
CE
CCC
KCC

For UL Certifications Directory:

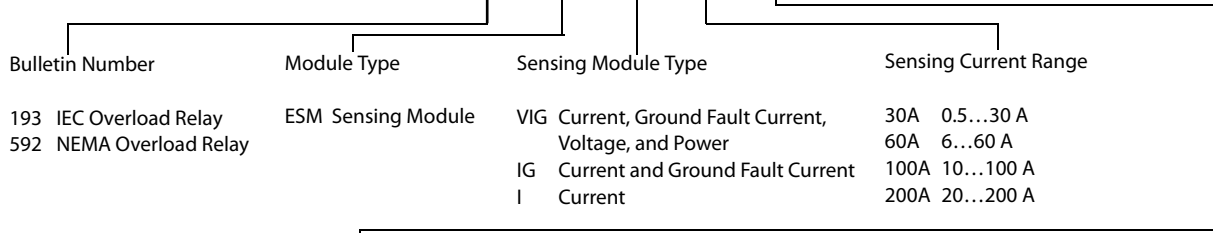
<http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm>

Catalog Number Explanation

E300 Electronic Overload Relay modules have their own catalog number.

Sensing Module

193 - ESM - VIG - 30A - C23

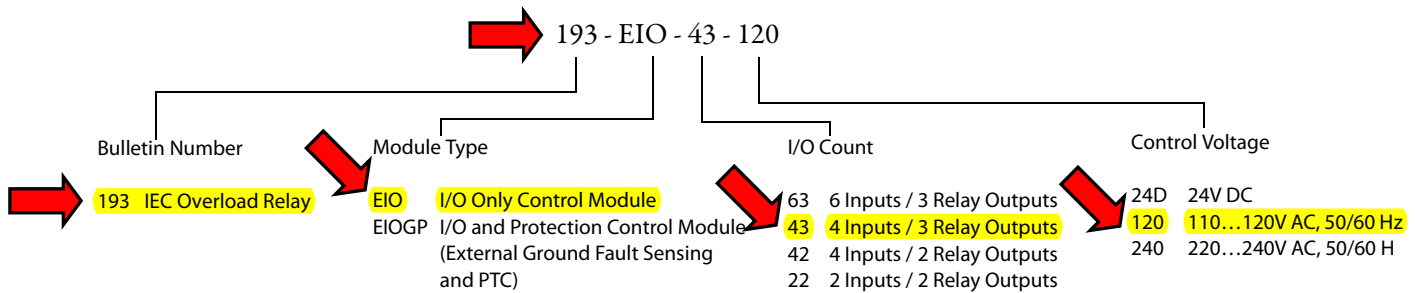


Sensing Module Mounting Style

- C23 Mounts to 100-C09...-C23 Contactor
- C55 Mounts to 100-C30...-C55 Contactor
- C97 Mounts to 100-C60...-C97 Contactor
- D180 Mounts to 100-D115...-D180 Contactor
- S2 Mounts to Bulletin 500 NEMA Size 0-2 Contactor
- S3 Mounts to Bulletin 500 NEMA Size 3 Contactor
- S4 Mounts to Bulletin 500 NEMA Size 4 Contactor
- T DIN Rail / Panel Mount with Power Terminals
- E3T Replacement DIN Rail / Panel Mount with Power Terminals for an E3 Plus Panel Mount Adapter
- P DIN Rail / Panel Mount with Pass-thru Power Conductors
- CT DIN Rail / Panel Mount with Pass-thru Power Conductors (used with External CTs)

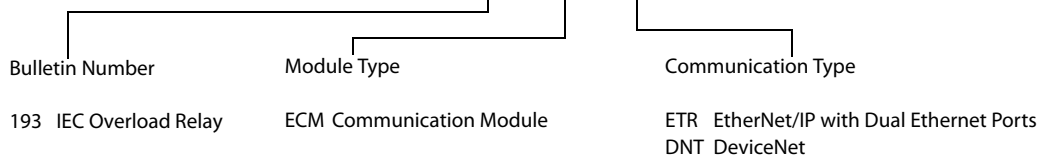
Control Module

193 - EIO - 43 - 120




Communication Module

193 - ECM - ETR



Description	Mounting Options	Current Range [A]	For Use With	Cat. No.	
Voltage/Current/Ground Fault	IEC Contactors	0.5...30	100-C09...C23	193-ESM-VIG-30A-C23	
			100-C30...C55	193-ESM-VIG-30A-C55	
		6...60	100-C30...C55	193-ESM-VIG-60A-C55	
		10...100	100-C60...100-C97	193-ESM-VIG-100A-C97	
		20...200	100-D115...100-D180	193-ESM-VIG-200A-D180	
	DIN Rail / Panel Mount Power Terminals	0.5...30	All contactors		193-ESM-VIG-30A-T
		6...60		193-ESM-VIG-60A-T	
		10...100		193-ESM-VIG-100A-T	
		20...200		193-ESM-VIG-200A-T	
	DIN Rail / Panel Mount Power Terminals. Directly replaces 193-ECPM_	0.5...30		193-ESM-VIG-30A-E3T	
		6...60		193-ESM-VIG-60A-E3T	
		10...100		193-ESM-VIG-100A-E3T	
	DIN Rail / Panel Mount Pass-thru	0.5...30		External current and potential transformers	193-ESM-VIG-30A-CT
	NEMA Contactors	0.5...30		NEMA Size 0...2	592-ESM-VIG-30A-S2
		6...60			592-ESM-VIG-60A-S2
		10...100		NEMA Size 3	592-ESM-VIG-100A-S3
20...200		NEMA Size 4		592-ESM-VIG-200A-S4	

Control Modules

Description	No. of Inputs/Outputs	Rated Control Voltage [V]	Cat. No.
I/O Module	6 in/3 out	24V DC	193-EIO-63-24D
	4 in/3 out	110...120V AC, 50/60 Hz	193-EIO-43-120 
	4 in/3 out	220...240V AC, 50/60 Hz	193-EIO-43-240
I/O and Protection Module. Thermistor (PTC) and External Ground Fault Current ⁽¹⁾	4 in/2 out	24V DC	193-EIOGP-42-24D
	2 in/2 out	110...120V AC, 50/60 Hz	193-EIOGP-22-120
	2 in/2 out	220...240V AC, 50/60 Hz	193-EIOGP-22-240

(1) Requires Core Balanced Ground Fault Sensor Cat. No. 193-CBCT_.

Communication Modules

Description	Cat. No.
EtherNet/IP	193-ECM-ETR

Expansion Modules

Description	No. of Inputs/Outputs	Rated Control Voltage [V]	Cat. No.
Digital Expansion Module, 24V DC	4 in/2 out	24V DC	193-EXP-DIO-42-24D
Digital Expansion Module, 120V AC	4 in/2 out	110...120V AC, 50/60 Hz	193-EXP-DIO-42-120
Digital Expansion Module, 240V AC	4 in/2 out	220...240V AC, 50/60 Hz	193-EXP-DIO-42-240
Analog Expansion Module: mA, V, RTD, and Resistance	3 universal in/1 out	—	193-EXP-AIO-31 ⁽¹⁾
Expansion Power Supply	—	24V DC	193-EXP-PS-DC
		110...240V AC, 50/60 Hz	193-EXP-PS-AC
Starter Control Station with 3-Meter Cable	—	—	193-EOS-SCS
Starter Diagnostic Station with 3-Meter Cable	—	—	193-EOS-SDS ⁽¹⁾

(1) Module requires control module firmware v3.000 or higher.