

Product Details and Certifications

Cross Reference RA Part Number: PN-% \$* %



Product: **193-ECM-ETR**

Description: E300 Overload Relays (193/592 IEC/NEMA)
EtherNet/IP Communication Module, Male RJ45 to
Male RJ45 Patchcord, Foil and Braided, 600V
PVC, 1.9 m.



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

OVERLOAD DATA

Bulletin Number	193- IEC Overload Relay
Module Type	ECM Communication Module
Communication Type	ETR EtherNet/IP with Dual Ethernet Ports DNT DeviceNet

CERTIFICATIONS AND APPROVALS

- UL
- CE
- CSA
- CCC
- KCC

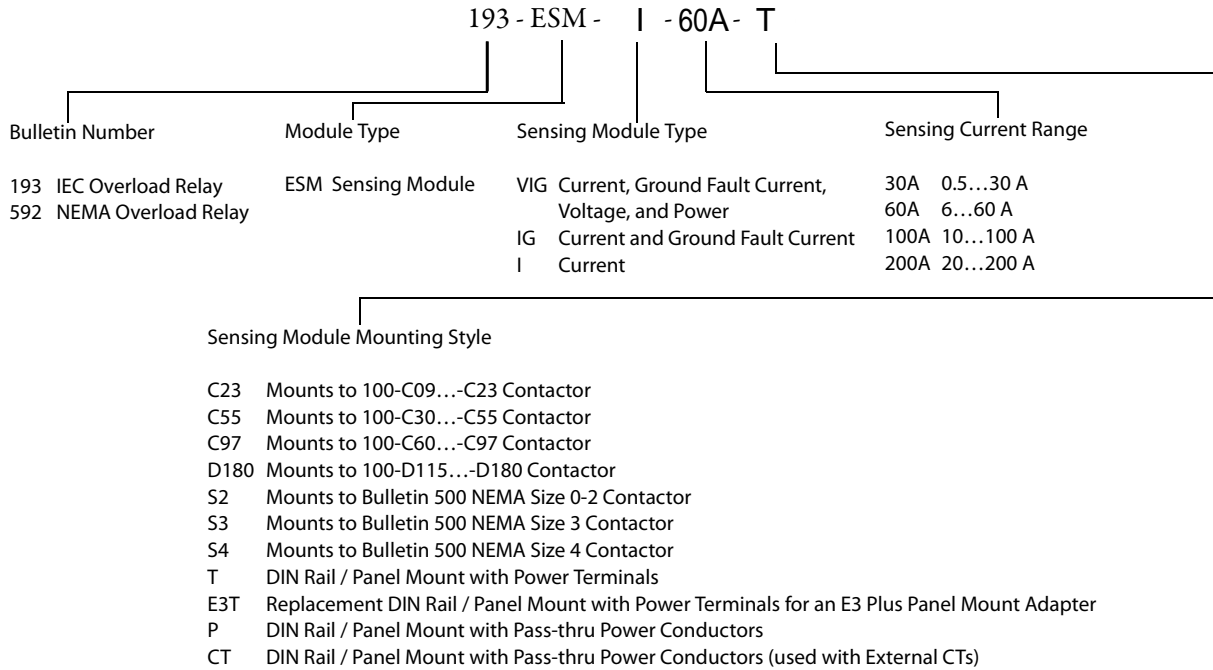
MANUFACTURING

Assembly	Factory Assembled
----------	-------------------

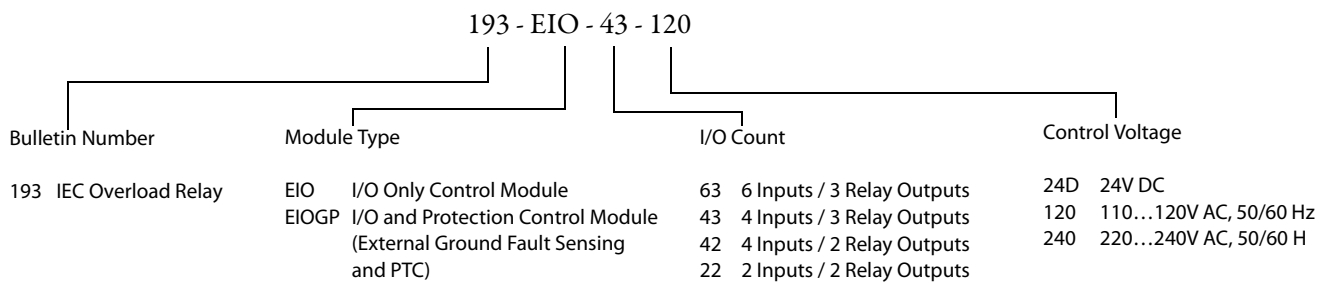
Catalog Number Explanation

E300 Electronic Overload Relay modules have their own catalog number.

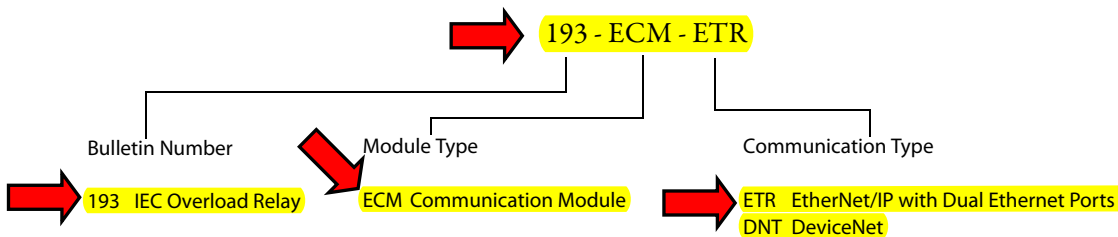
Sensing Module



Control Module



Communication Module



Product Selection

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
			100-C60...100-C97	193-ESM-VIG-100A-C97
	DIN Rail / Panel Mount Power Terminals	0.5...30	All contactors	193-ESM-VIG-30A-T
				193-ESM-VIG-60A-T
				193-ESM-VIG-100A-T
	DIN Rail / Panel Mount Power Terminals. Directly replaces 193-ECPM_	0.5...30	All contactors	193-ESM-VIG-30A-E3T
				193-ESM-VIG-60A-E3T
				193-ESM-VIG-100A-E3T
	DIN Rail / Panel Mount Pass-thru	0.5...30	External current and potential transformers	193-ESM-VIG-30A-CT
				592-ESM-VIG-30A-S2
	NEMA Contactors	0.5...30	NEMA Size 0...2	592-ESM-VIG-60A-S2
				10...100


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.

Bulletin 193/592
E300 Electronic Overload Relay
 Product Selection

Control, Communication, and Expansion Modules

Description		No. of Inputs/Outputs	Rated Control Voltage [V]	Cat. No.
Control Module	I/O Module	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
		6 In/3 Out	24V DC	193-EIO-63-24D
Communication Module	EtherNet/IP Communication Module	—	—	193-ECM-ETR
Expansion Module	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
	Digital Expansion Module 24V DC	4 In / 2 Out	24V DC	193-EXP-DIO-42-24D
	Expansion Power Supply	—	—	110...240V AC, 50/60 Hz
—		—	24V DC	193-EXP-PS-DC



Accessories

Description	For Use With	Cat. No.
Starter Control Station with 3 Meter Cable	—	193-EOS-SCS
Contactor Coil Module	100-C23 contactors	193-EIO-CM-C23
	100-C55 contactors	193-EIO-CM-C55
1 Meter Expansion Module Cable	—	193-EXP-CBL-1M
3 Meter Expansion Module Cable	—	193-EXP-CBL-3M
Replacement Connector	120/240V AC 4:3 Control Modules	193-NCIO-43-CNT
	24V DC 6:3 Control Modules	193-NCIO-63-CNT
	Digital Expansion Modules	193-NCXP-DIO-CNT
	Expansion Power Supply	193-NCXP-PS-CNT