

POWERTRAIN SYSTEMS



SAFETY & SECURITY SYSTEMS



CONVENIENCE



DRIVER INFORMATION



BODY & CHASSIS SYSTEMS



Module Components:

- Fuse Holder
- Relay Holder

INTRODUCTION

TE Connectivity proposes module components holder for basic protection or switching devices. It can combine different protection technologies or different plug-in relay types.

They can be a stand-alone module or mechanically/ electrically assembled with other devices in order to create a complete power distribution device.

10 Miniature Fuses Holder

Applications

- Convenience harness
- Engine harness

Technical Features

- Compliant with
MINI fuse technology

Contact used:

Timer family

Housing Material:

PP GFM 25/15

Can contain up to:

10 Miniature fuses

Temperature Class:

-40°C to +100°C

Vibration Class:

3G

Sealed / Unsealed:

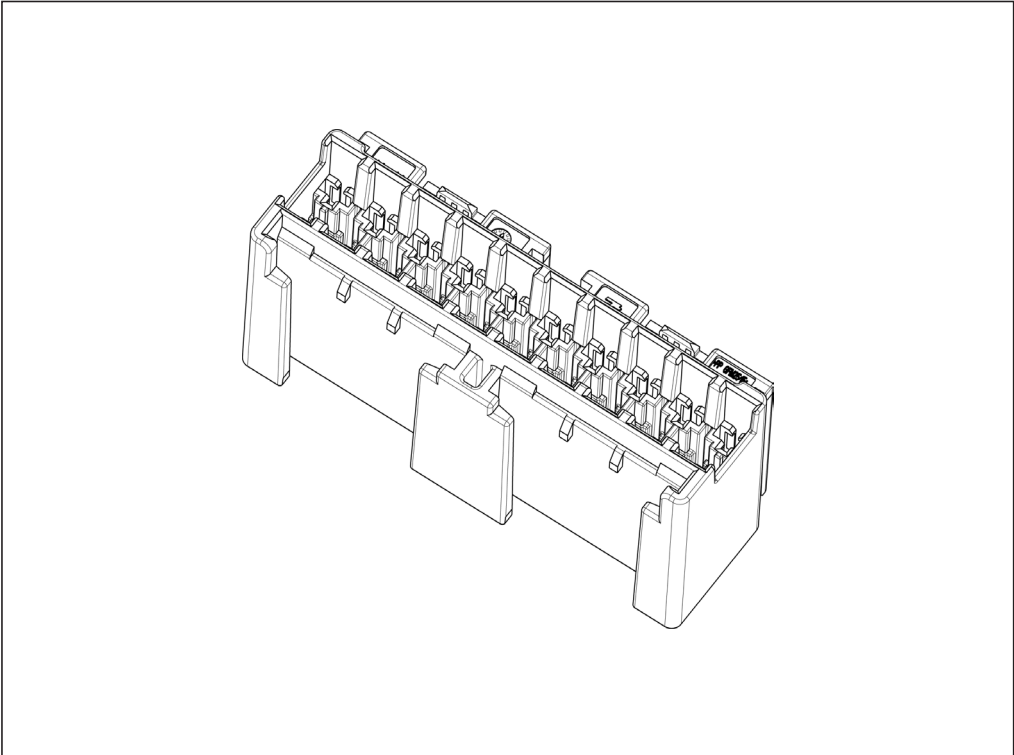
Unsealed

Product Specification:

108-15406

Application Specification:

408-15008



Can be used as stand-alone
module or in association with:

PN 1801617
PN 1801618
PN 1801619
PN 1801620
PN 1801764
PN 1801627
PN 1801773

10 Miniature Fuses Holder

Part Number	Housing Color	Material	Mating Contacts	Wire Size Range (mm ²)
			JPT Receptacle	
1801616-1	Black	PP GFM 25/15	964280-2	0.2 – 0.5
			964284-2	0.5 – 1.0
			965999-2	1.0 – 2.5
			1241978-2	2.5 – 4.0



Technical Features

Material:

PBT

Product Specification:

108-94263

Application Specification:

114-94090

Order Information

16x Miniature (Mini) Fuse

Part Number 2141029-1

Can be used as stand-alone module or in association with:

PN 2141022-1

PN 2141024-1

PN 2141026-1

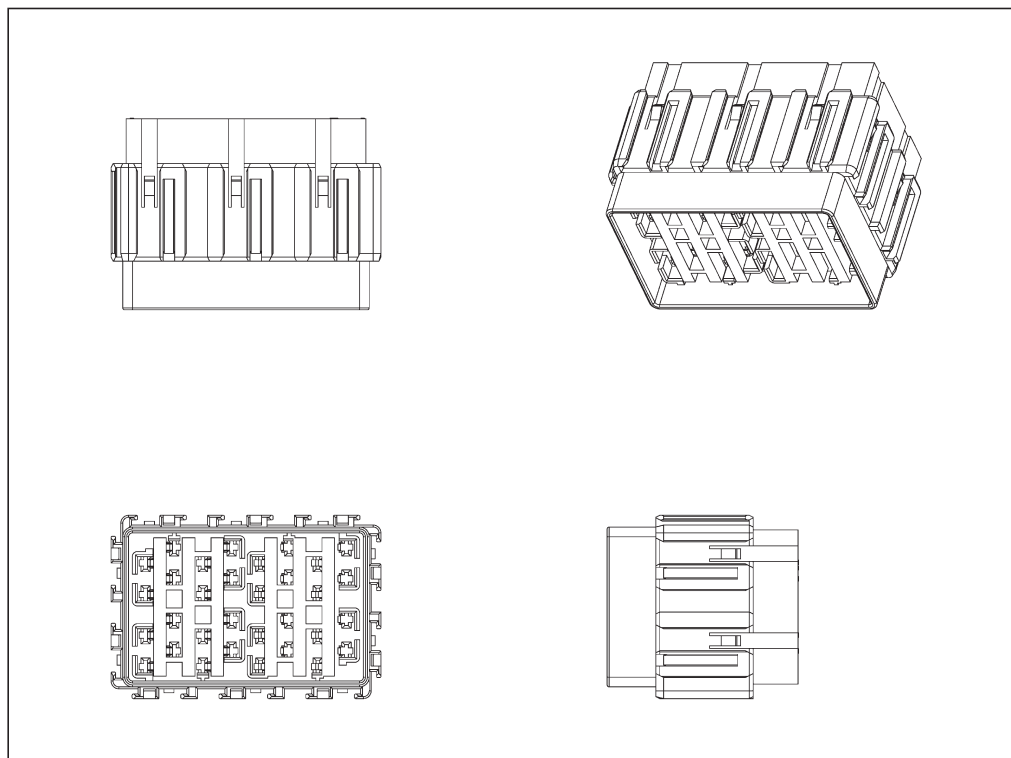
PN 2141028-1

PN 2141034-1

PN 2141031-x

PN 2141040-x

MFINITY – Miniature Fuse Module, 16 Positions



Miniature Fuse Module, 16 Positions

Module Part Number	Module Name	Product Dimensions L x W x H (mm)
2141029-1	Miniature Fuse Module	69.3 x 47 x 43

Suitable Terminals

Part Number	Description	Material	Plating	Wire Size Range (mm ²)
1-1355844-1	Fuse Contact Busbar	CuNiSi	Pre-Tinned	4 – 6
1-1355877-1				1 – 2.5
1-1355833-1	Fuse Contact Single			0.5 – 1.0
1-1355880-1				2.5 – 4

Fuse Holder for Miniature Fuse (8 Miniature Fuses)

Applications

- Convenience harness
- Engine harness

Technical Features

- Compliant with MINI fuse technology

Contact used:
AMP MCP family,

Housing Material:
PA 66

Can contain up to:
8 Miniature fuses

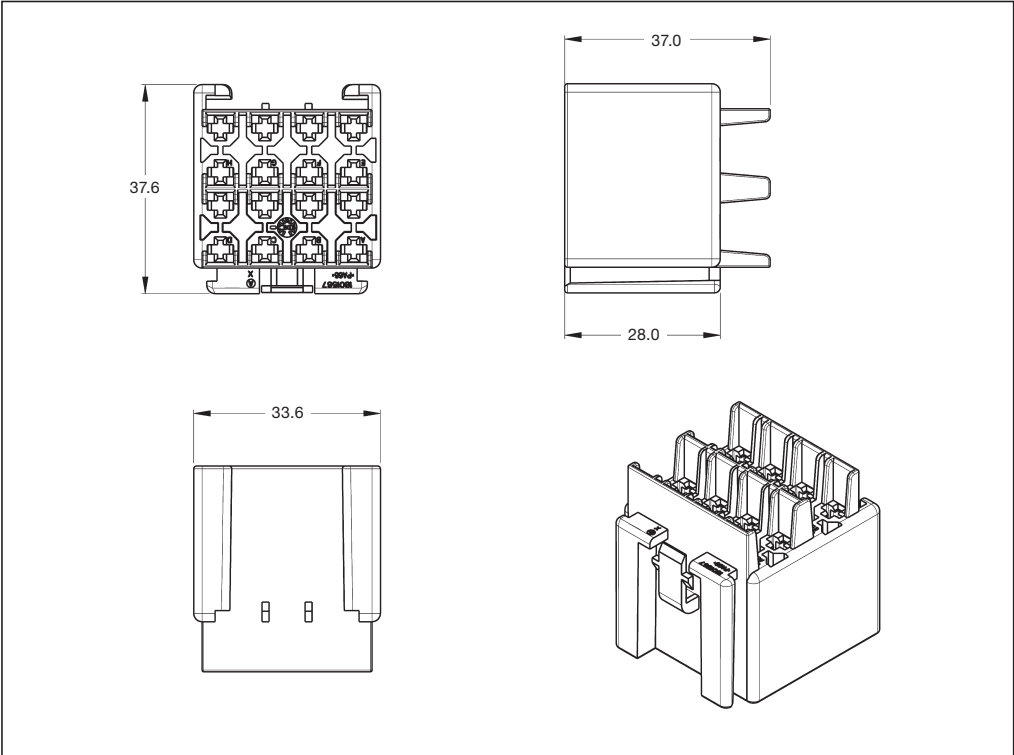
Temperature Class:
-40° C to +85° C

Vibration Class:
3G

Sealed / Unsealed:
Unsealed

Product Specification:
108-15399

Application Specification:
411-15744



Fuse Holder for Miniature Fuse (8 Miniature Fuses)

Part Number	Housing Color	Material	Package Quantity	Mating Contacts	Wire Size Range (mm ²)
				AMP MCP 2.8 Terminals	
1801567-1	Natural	PA66	550	1-968880-1	0.2 – 0.5
				1-968880-3	
				1-968849-1	0.5 – 1.0
				1-968849-2	
				1-968849-3	
				1-968851-1	1.5 – 2.5
				1-968851-2	
				1-968851-3	
				1-968853-1	2.5 – 4.0
				1-968853-3	
See Table Drawing 1355036					

High Current Fuses Holder - 2 Positions

Applications

- Convenience harness
- Engine harness

Technical Features

- Compliant with
MAXI fuse technology

Contact used:

NG family

Housing Material:

PBT GF10

Can contain up to:

2 Medium fuses

Temperature Class:

-40°C to +100°C

Vibration Class:

3G

Sealed / Unsealed:

Unsealed

Product Specification:

108-15411

Application Specification:

408-15011

Can be used as stand-alone module or in association with:

PN 1801616

PN 1801617

PN 1801618

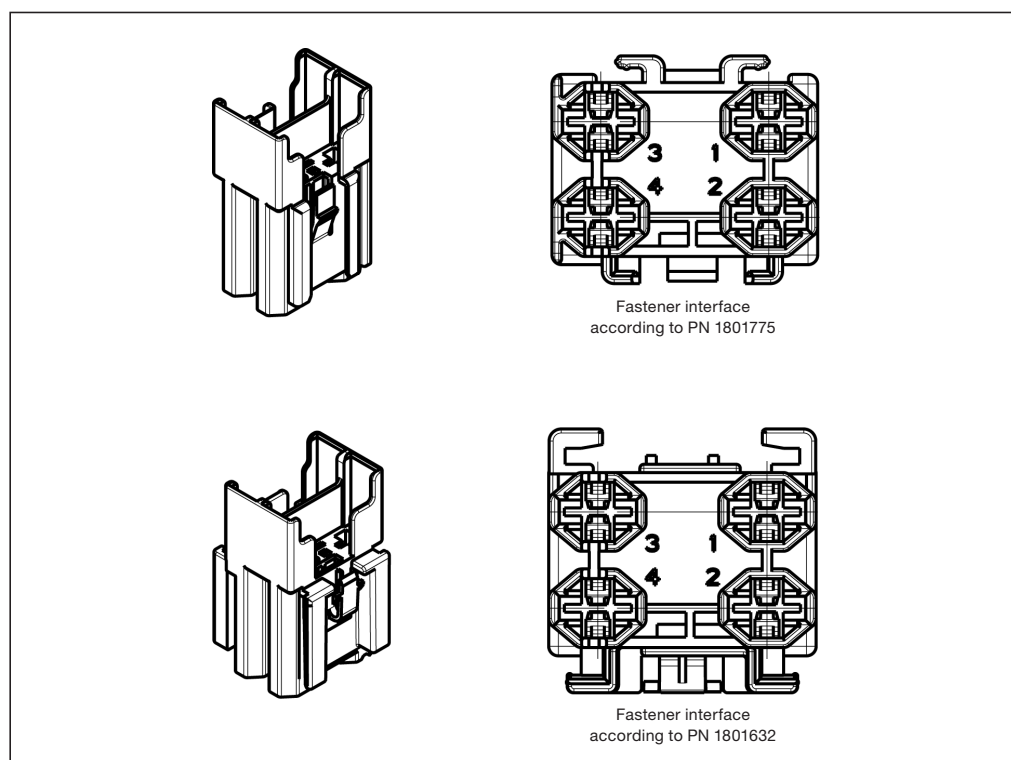
PN 1801619

PN 1801620

PN 1801628

PN 1801764

PN 1801773



High Current Fuses Holder – 2 Positions

Part Number	Housing Color	Material	Mating Contacts	Wire Size Range (mm ²)
			NG Receptacle	
1801627-2	Black	PBT GF10	1801431-1	3 – 5
			1801432-1	6 – 7
1801627-3			1801433-1	7 – 10

High Current Fuses Holder - 2 Positions

Applications

- Convenience harness

Technical Features

- Compliant with
MAXI fuse technology

Contact used:

MPT family

Housing Material:

PA 66

Can contain up to:

2 high current fuses

Temperature Class:

-40° C to +85° C

Vibration Class:

3G

Sealed / Unsealed:

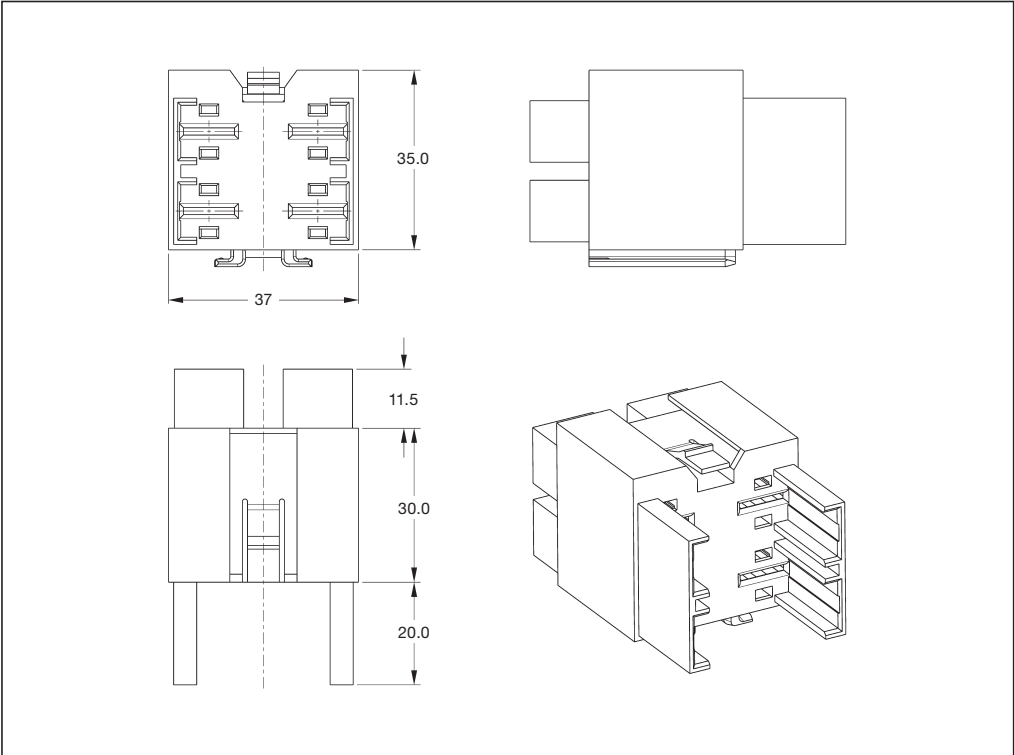
Unsealed

Product Specification:

108-18047

Application Specification:

114-18075



High Current Fuses Holder – 2 Positions

Part Number	Housing Color	Material	Package Quantity	Mating Contacts	Wire Size Range (mm ²)
				MPT Receptacles	
964595-1	Orange	PA66-GF13	300	962928-1	> 2.5 – 4.0
				962930-1	4.0 – 6.0
				962932-1	6.0 – 10



Technical Features

Material:

PBT

Product Specification

108-94263

Application Specification

114-94090

Order Information

12x (ATO) Medium Fuse
Part Number 2141028-1

Can be used as stand-alone module or in association with:

PN 2141022-1

PN 2141024-1

PN 2141026-1

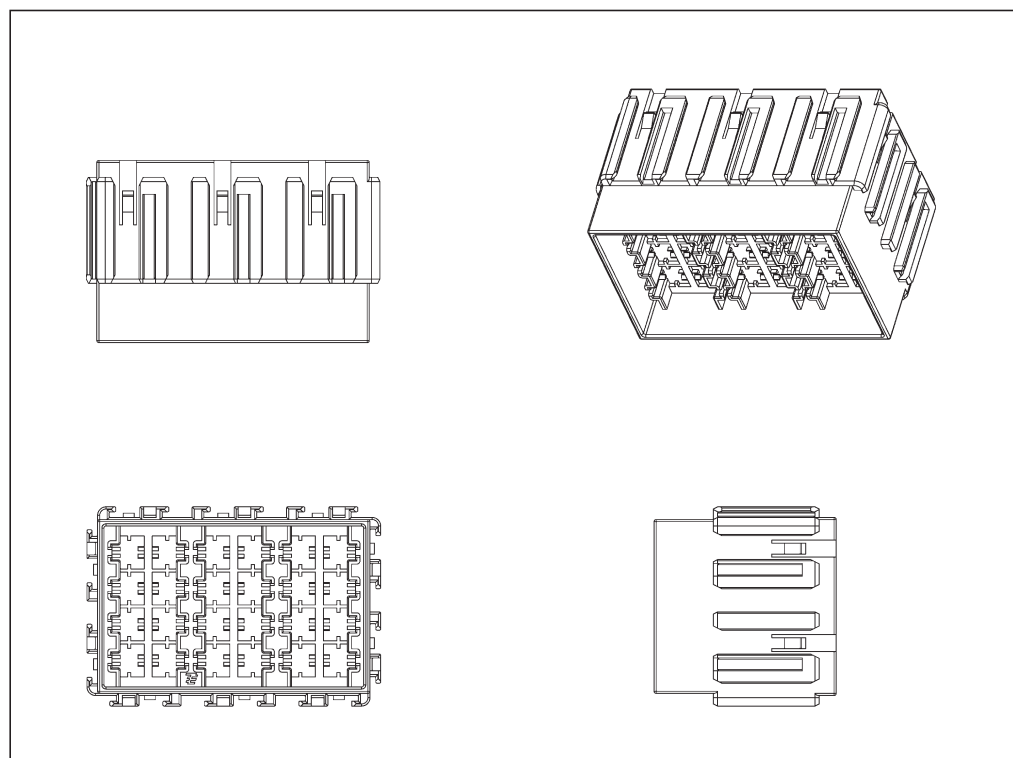
PN 2141029-1

PN 2141034-1

PN 2141031-x

PN 2141040-x

MFINITY – Medium Fuse Module – 12 Positions



Medium Fuse Module – 12 Positions

Module Part Number	Module Name	Product Dimensions L x W x H (mm)
2141028-1	Medium Fuse Module	69.3 x 47 x 43

Suitable Terminals

Part Number	Description	Material	Plating	Wire Size Range (mm ²)
881572-3	Fuse Contact Busbar	Brass	Pre-Tinned	4 – 6
880397-2			Pre-Tinned	0.5 – 1.5
880398-1	Fuse Contact Single		–	>1 – 2.5
880398-2			Pre-Tinned	>1 – 2.5

Medium Fuse Holder – 4 Positions

Applications

- Body harness

Technical Features

- Detection of partially inserted receptacle

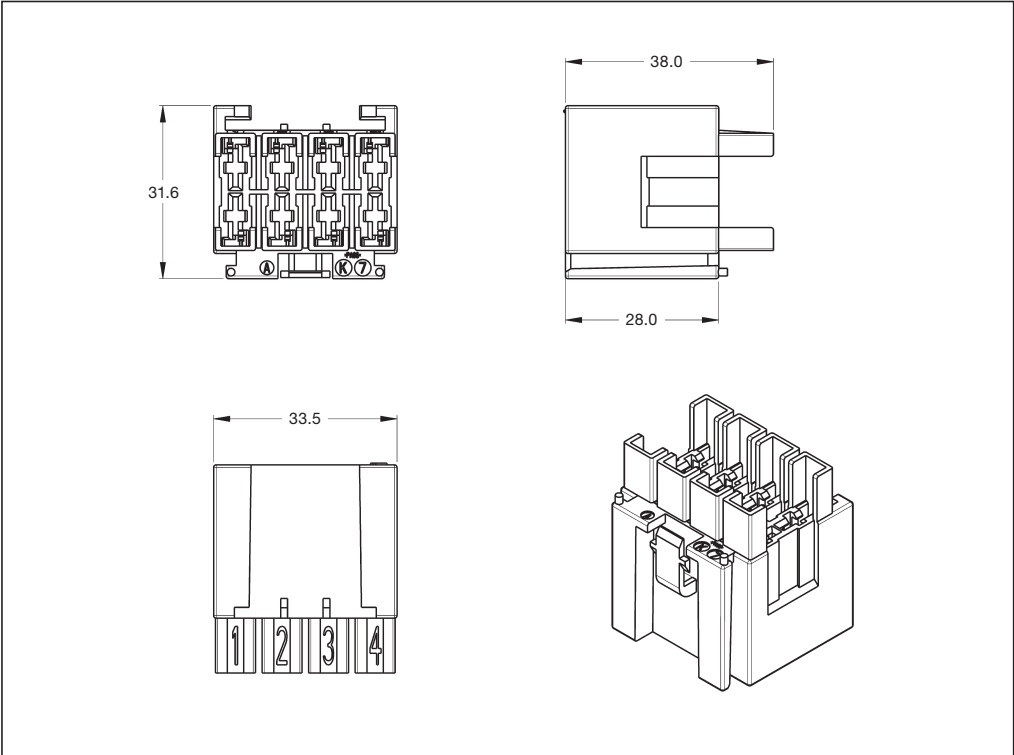
Temperature Class:
-40° C to +85° C

Vibration Class:
3G

Sealed / Unsealed:
Unsealed

Product Specification:
108-15160

Application Specification:
411-15587



Medium Fuse Holder – 4 Positions

Part Number	Housing Color	Material	Package Quantity	Mating Contacts	Wire Size Range (mm ²)
				SPT Receptacles	
185847-1	Natural	PA66	550	927831-2	0.5 – 1.0
				144617-1	1.0 – 3.0
				144433-1	3.0 – 5.0
185847-2				144434-1	5.0 – 7.0



Technical Features

Material:

PBT

Product Specification:

108-94263

Application Specification:

114-94090

Order Information

2x ISO Mini Relays

Part Number 2141024-1

Can be used as stand-alone module or in association with:

PN 2141022-1

PN 2141026-1

PN 2141028-1

PN 2141029-1

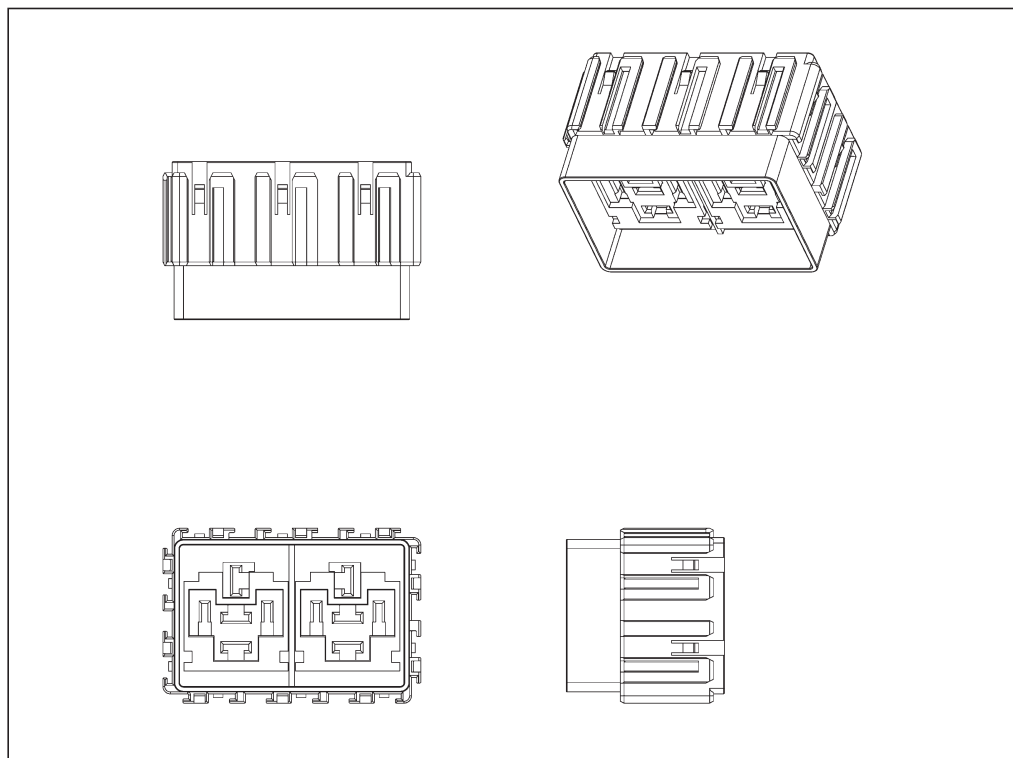
PN 2141034-1

PN 2141031-x

PN 2141040-x

You can find suitable relays on page 47 of this catalog.

MFINITY – Mini Relay Module – 2 Positions



Mini Relay Module – 2 Positions

Module Part Number	Module Name	Product Dimensions L x W x H (mm)
2141024-1	Mini Relay Module	69.3 x 47 x 42.5

Suitable Terminals

Part Number	Description	Plating	Wire Size Range (mm ²)
2208343-1	LEAR – 6.3mm 361330-YF200	Pre-Tinned	0.5 – 1.5
2208343-3	LEAR – 6.3mm 361030-YF200		3 – 5

Relays Holder Gen1 – 1 Mini Relay 35-40 A

Applications

- Convenience harness

Technical Features

- Detection of partially inserted receptacle

Contact used:
Timer family

Housing Material:
PA 66

Can contain up to:
1 Mini relay

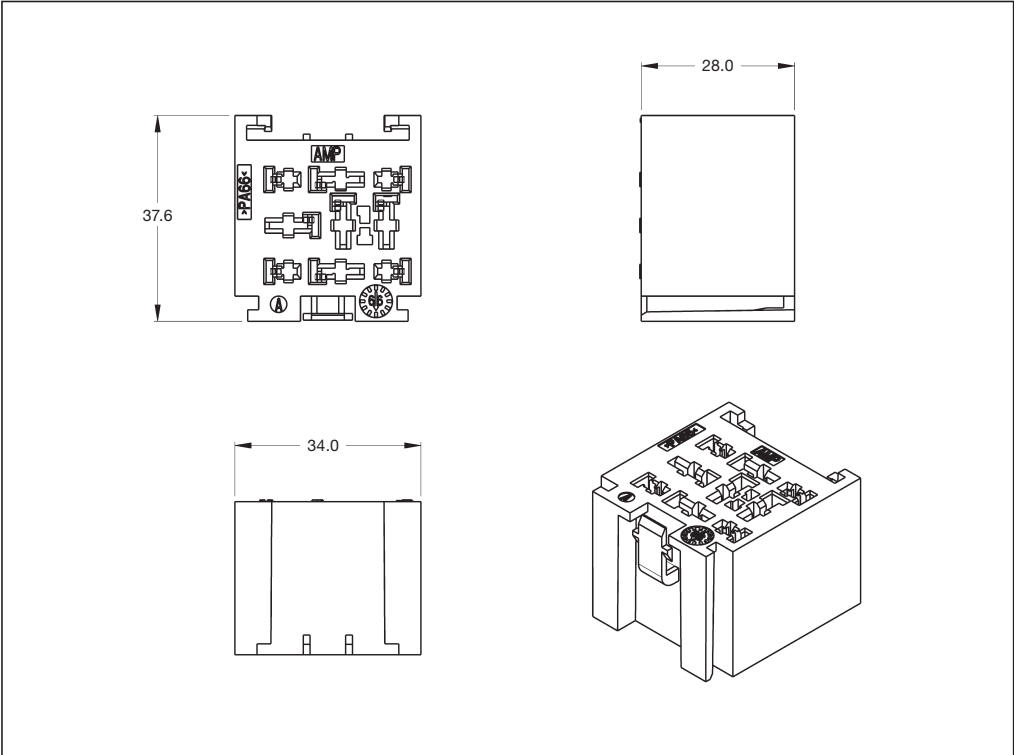
Temperature Class:
-40° C to +85° C

Vibration Class:
3G

Sealed / Unsealed:
Unsealed

Product Specification:
108-15131

Application Specification:
411-15551



Relays Holder Gen1 (1 Mini Relay 35-40A)

Part Number	Housing Color	Material	Package Quantity	Mating Contacts	Wire Size Range (mm ²)
185403-1	Natural	P66	550	JPT Receptacle	144431-1 0.35 – 1.0
185403-2	Black				144432-1 1.0 – 3.0
185403-3	Gray			SPT Receptacle	927831-2 0.5 – 1.0
185403-4	Brown				144617-1 1.0 – 3.0
					144433-1 3.0 – 5.0
					144434-1 5.0 – 7.0

Modular Relays Holder Gen2 – Relay 35-40 A

Applications

- Convenience harness
- Engine harness

Technical Features

- Detection of partially inserted receptacle by counterpart

Contact used:

Timer family

Housing Material:

PP-GFM25/15

Temperature Class:

-40° C to +100° C

Vibration Class:

3G

Sealed / Unsealed:

Unsealed

Product Specification:

108-15412

Application Specification:

408-15010

Can be used as stand-alone module or in association with:

PN 1801616

PN 1801617

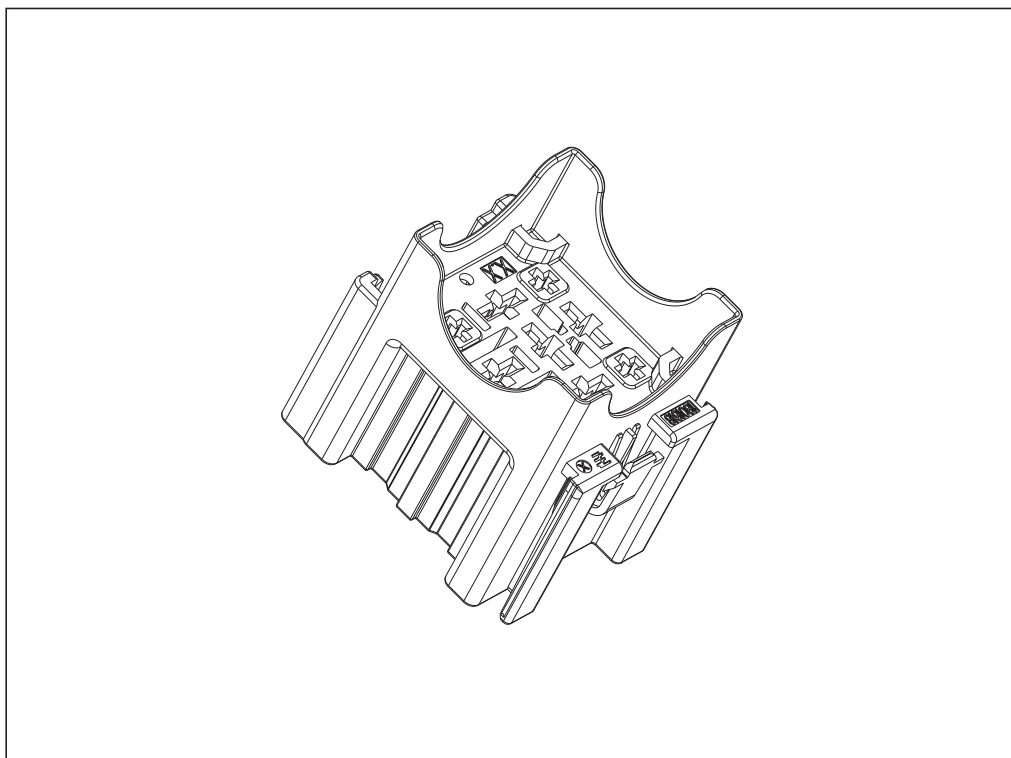
PN 1801619

PN 1801620

PN 1801627

PN 1801764

PN 1801773



Modular Relays Holder Gen2 (Relay 35-40 A)

Part Number	Housing Color *)	Material	Package Quantity	Mating Contacts	Wire Size Range (mm ²)
1801618-1	Black	PP-GFM25/15	300	JPT Receptacle	964280-2 0.2 – 0.5
					964284-2 0.5 – 1.0
					965999-2 1.0 – 2.5
					1241978-2 2.5 – 4.0
				SPT Receptacle	927831-2 0.5 – 1.0
					144617-1 1.0 – 3.0
					144433-1 3.0 – 5.0

*) Other colors (Natural) upon request



Technical Features

Material:
PBT

Product Specification:
108-94263

Application Specification:
114-94090

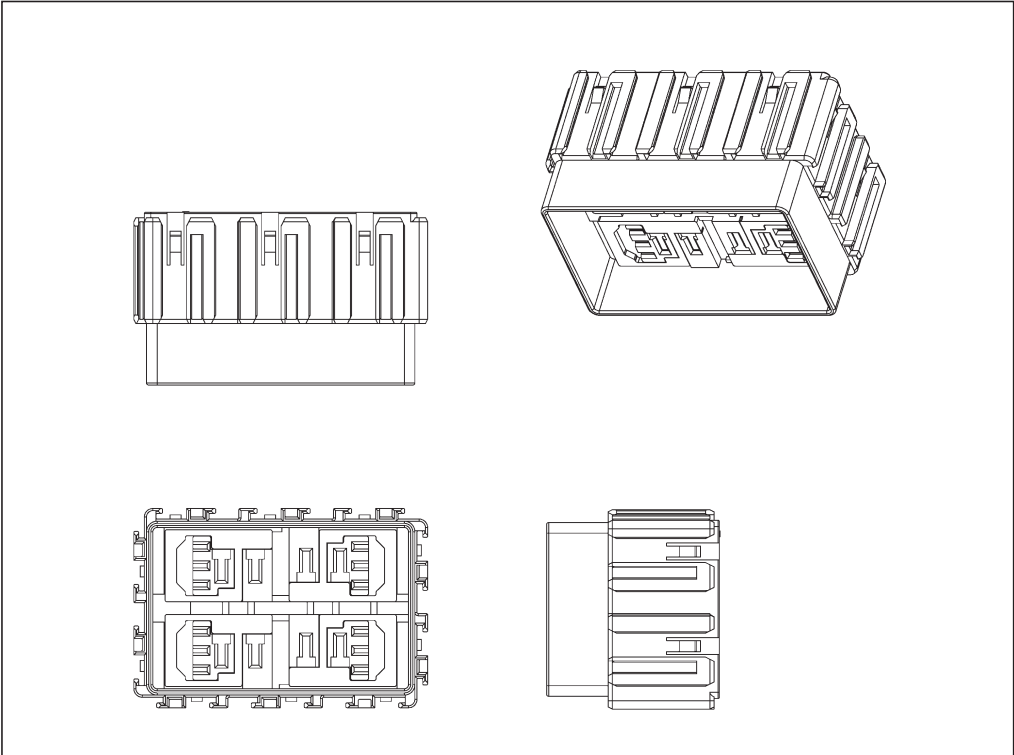
Order Information

4x ISO Micro Relays
Part Number 2141022-1

Can be used as stand-alone
module or in association with:
PN 2141022-1
PN 2141026-1
PN 2141028-1
PN 2141029-1
PN 2141034-1
PN 2141031-x
PN 2141040-x

You can find suitable relays on
page 47 of this catalog.

MFINITY – Micro Relay Module – 4 Positions



Micro Relay Module – 4 Positions

Module Part Number	Module Name	Product Dimensions L x W x H (mm)
2141022-1	Micro Relay Module	69.3 x 47 x 40.75

Suitable Terminals

Part Number	Description	Plating	Wire Size Range (mm ²)
2208343-2	LEAR – 6.3mm 361430-YF200	Pre-Tinned	1.5 – 2.0
2208342-2	Molex – 4.8mm 33113-0003	N/A	N/A
2208342-1	Molex – 4.8mm 33113-0005	N/A	N/A

Modular Relays Holder Gen2 – 2 Micro Relays

Applications

- Convenience harness
- Engine harness

Technical Features

- Detection of partially inserted receptacle by counterpart

Contact used:

Timer family

Housing Material:

PP-GFM25/15

Can contain up to:

2 Micro relays

Temperature Class:

-40°C to +100°C

Vibration Class:

3G

Sealed / Unsealed:

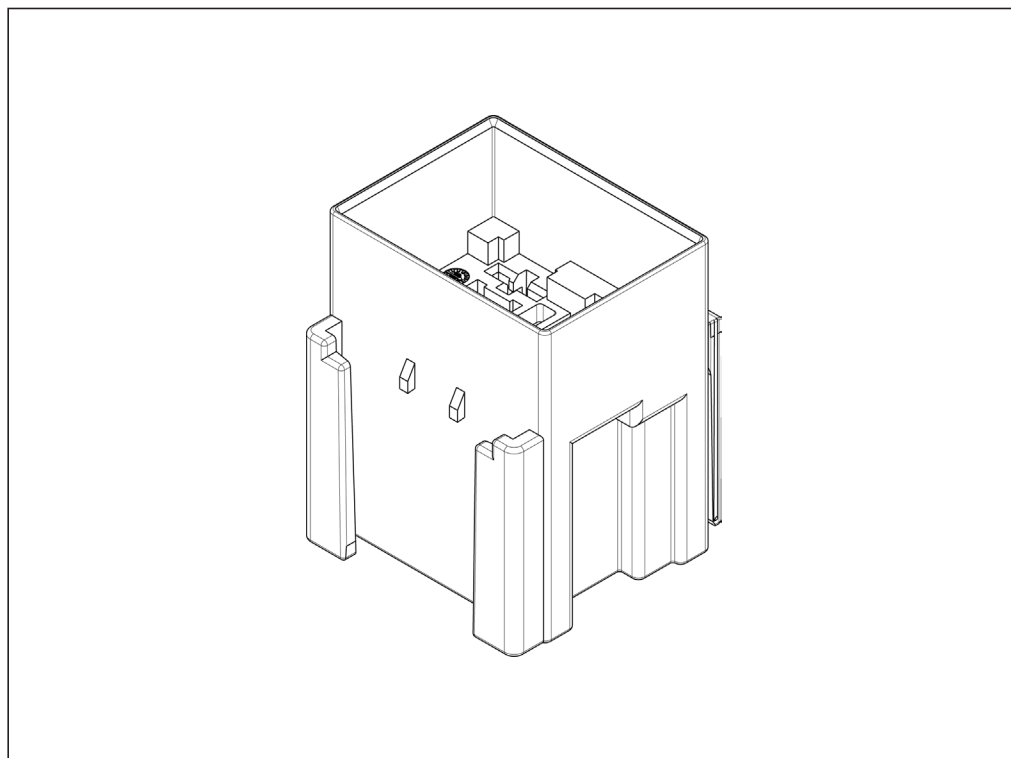
Unsealed

Product Specification:

108-15412

Application Specification:

408-15010



Can be used as stand-alone module or in association with:

PN 1801616
PN 1801617
PN 1801618
PN 1801619
PN 1801627
PN 1801764
PN 1801773

Modular Relays Holder Gen2 (2 Micro Relays)

Part Number	Housing Color *)	Material	Package Quantity	Mating Contacts	Wire Size Range (mm²)
1801620-1	Black	PP-GFM25/15	300	JPT Receptacle	964280-2 0.2 – 0.5
					964284-2 0.5 – 1.0
				SPT Receptacle	927831-2 0.5 – 1.0
					144617-1 1.0 – 3.0
					144433-1 3.0 – 5.0

*) Other colors (natural) upon request

Relays Holder Gen1 – 2 Micro Relays

Applications

- Convenience harness

Technical Features

- Detection of a partially inserted receptacle by counterpart

Contact used:

Timer family

Housing Material:

PA 66

Can contain up to:

2 Micro relays

Temperature Class:

-40° C to +85° C

Vibration Class:

3G

Sealed / Unsealed:

Unsealed

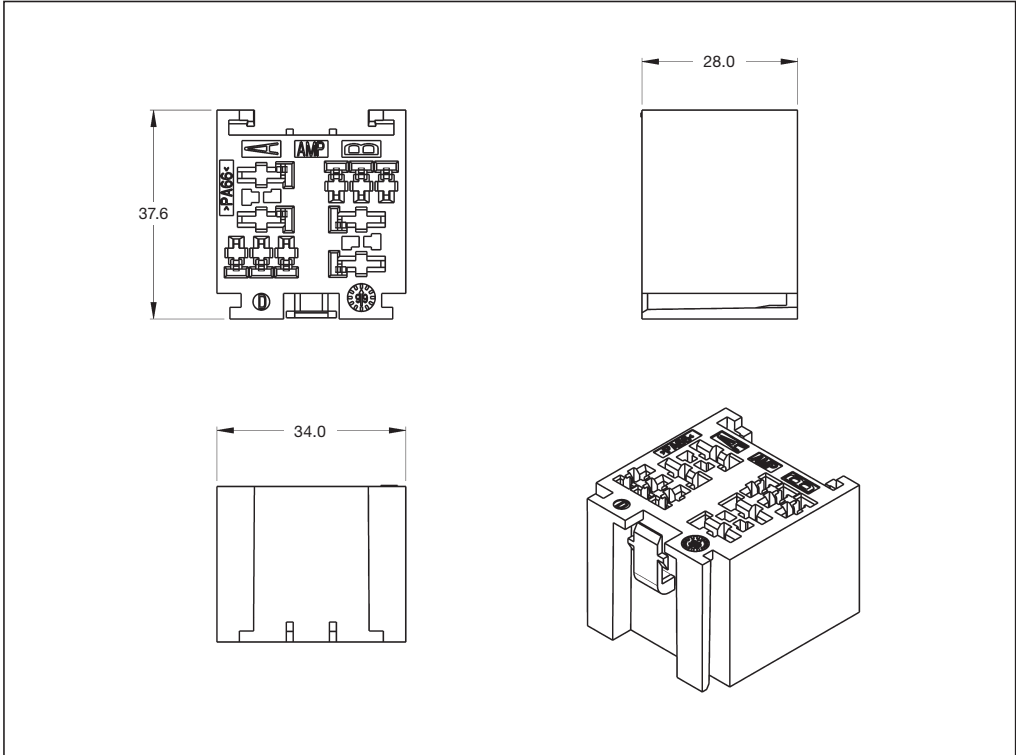
Product Specification:

108-15131

Application Specification:

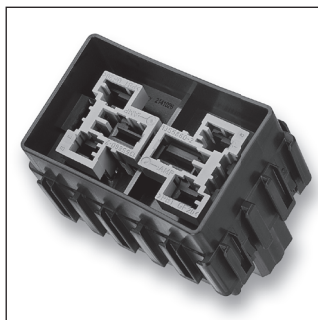
411-15551

411-15591



Relays Holder Gen1 (2 Micro Relays)

Part Number	Housing Color	Material	Package Quantity	Mating Contacts		Wire Size Range (mm ²)
185402-1	Natural	PA 66	550	JPT Receptacle	144431-1	0.35 – 1.0
					144432-1	1.0 – 3.0
185402-2	Black			SPT Receptacle	927831-2	0.5 – 1.0
					144617-1	1.0 – 3.0
185402-3	Gray				144433-1	3.0 – 5.0
					144434-1	5.0 – 7.0



Technical Features

Material:

PBT

Product Specification:

108-94263

Application Specification:

114-94090

Order Information

2x ISO Maxi Relays

Part Number 2141026-1

Can be used as stand-alone module or in association with:

PN 2141022-1

PN 2141026-1

PN 2141028-1

PN 2141029-1

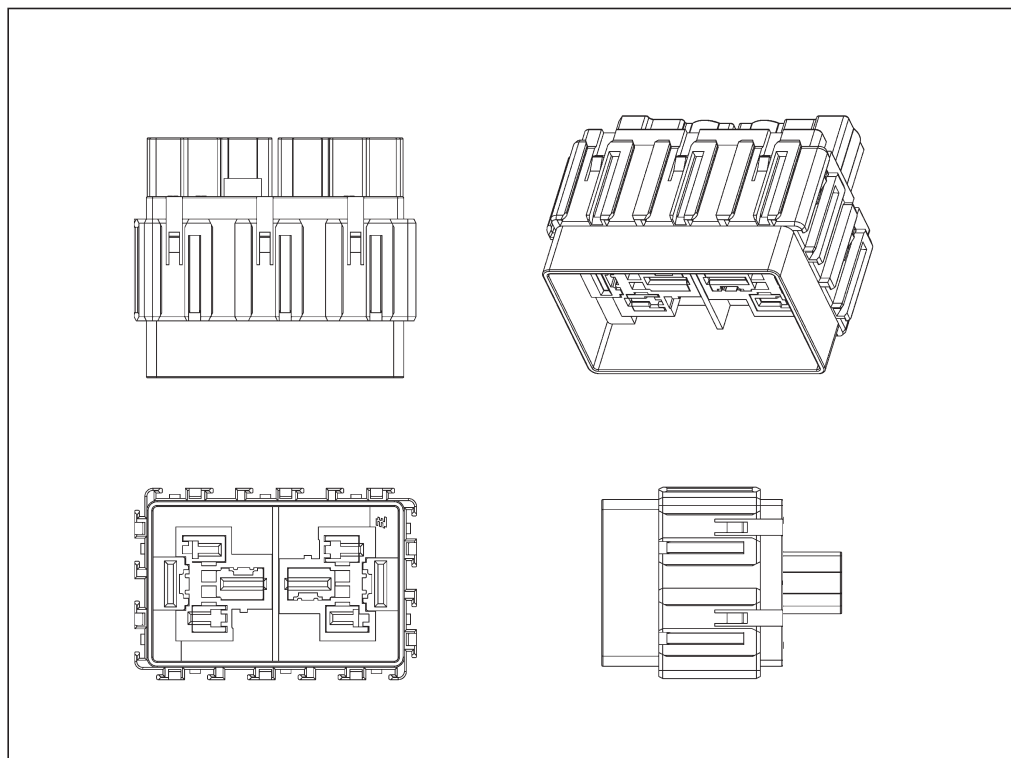
PN 2141034-1

PN 2141031-x

PN 2141040-x

You can find suitable relays on page 47 of this catalog.

MFINITY – Maxi Relay Module – 2 Positions



Maxi Relay Module – 2 Positions

Module Part Number	Module Name	Product Dimensions L x W x H (mm)
2141026-1	Maxi Relay Module	69.3 x 47 x 59

Suitable Terminals

Part Number	Description	Plating	Wire Size Range (mm ²)
1-1355849-1	9.5 Single Tab	CuNiSi	6 –10
2208343-1	LEAR – 6.3mm 361330-YF200	N/A	0.5 – 1.5

Modular Relays Holder Gen2 – Relay 50-70 A

Applications

- Convenience harness
- Engine harness

Technical Features

- Detection of a partially inserted receptacle by counterpart

Contact used:

Timer family

Housing Material:

PP GFM25/15

Temperature Class:

-40° C to +100° C

Vibration Class:

3G

Sealed / Unsealed:

Unsealed

Product Specification:

108-15412

Application Specification:

408-15010

Can be used as stand-alone module or in association with:

PN 1801616

PN 1801617

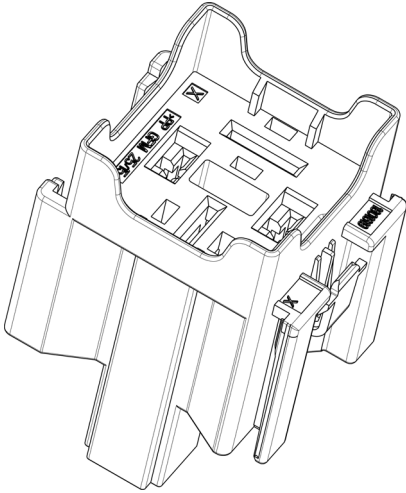
PN 1801618

PN 1801620

PN 1801627

PN 1801773

PN 1801764



Modular Relays Holder Gen2 (Relay 50-70 A)

Part Number	Housing Color *)	Material	Package Quantity	Mating Contacts	Wire Size Range (mm ²)
1801619-1	Black	PP-GFM25/15	300	MPT Receptacle	962928-1 2.5 – 4.0
					962930-1 4.0 – 6.0
					962932-1 7.0 – 10
				SPT Receptacle	927831-2 0.5 – 1.0
					144617-1 1.0 – 3.0
					144433-1 3.0 – 5.0

*) Other colors (Natural) upon request

Relays Holder Gen1 – 1 Maxi Relay 50-60 A

Applications

- Convenience harness

Technical Features

- Detection of a partially inserted receptacle

Contact used:

Timer family

Housing Material:

PBT

Can contain up to:

1 Maxi relay

Temperature Class:

-40°C to +85°C

Vibration Class:

3G

Sealed / Unsealed:

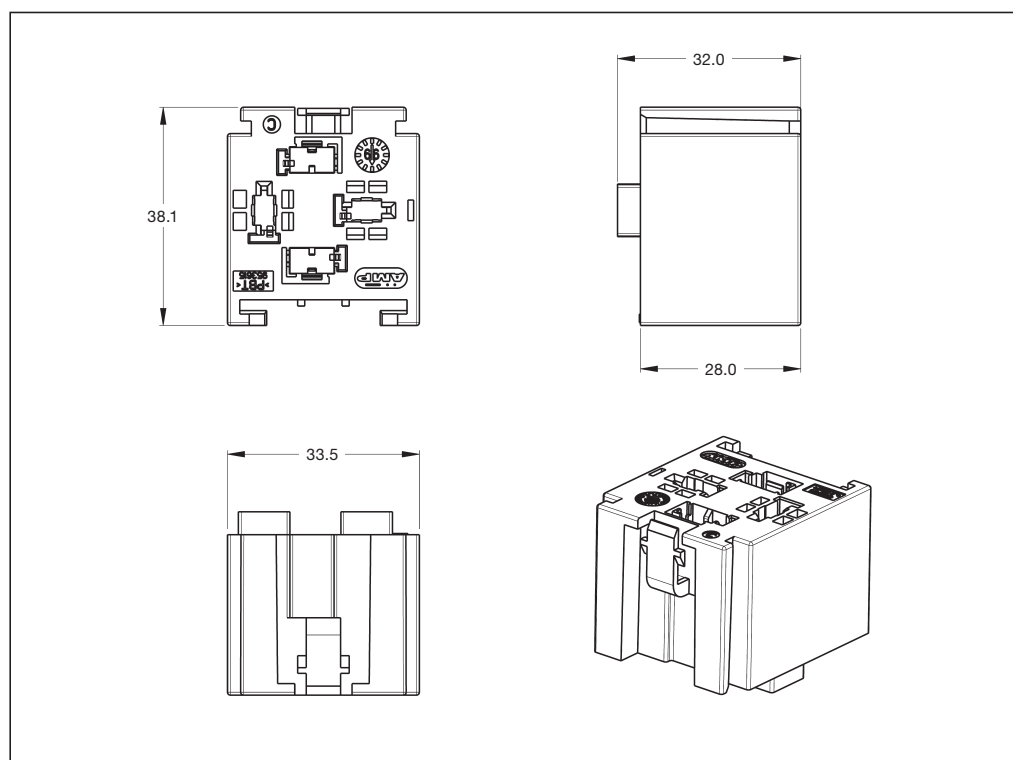
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Product Specification:

108-15208

Application Specification:

411-15620



Relays Holder Gen1 (1 Maxi Relay 50-60 A)

Part Number	Housing Color	Material	Package Quantity	Mating Contacts	Wire Size Range (mm²)
953615-1	Red	PBT	500	SPT Receptacle	927831-2 0.5 – 1.0
					144617-1 1.0 – 3.0
					144433-1 3.0 – 5.0
953615-2	Purple			Positive Lock MK1	185283-1 5.0 – 6.0
					160759-3 0.5 – 1.5
					154718-3 0.7 – 2.0
				154717-3 2.5 – 4.0	

Relays Holder Gen1 – 1 Maxi Relay 70A

Applications

- Convenience harness

Technical Features

- Detection of a partially inserted receptacle

Contact used:

Timer family

Housing Material:

PBT

Can contain up to:

1 Maxi relay

Temperature Class:

-40° C to +85° C

Vibration Class:

3G

Sealed / Unsealed:

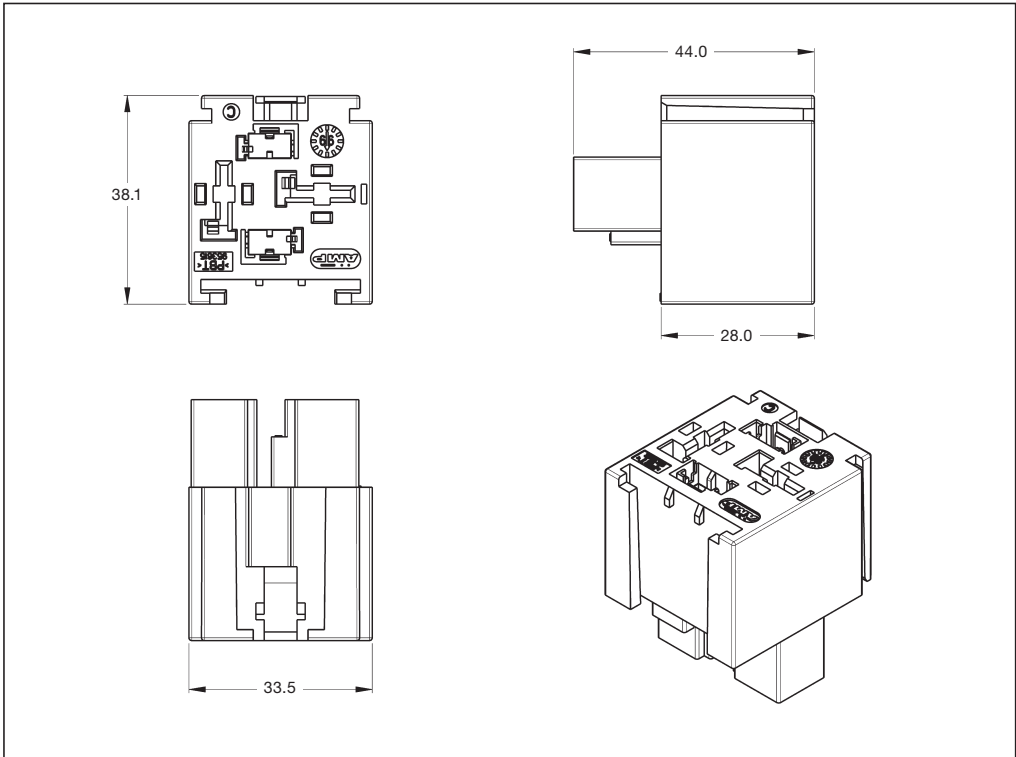
Unsealed

Product Specification:

108-15208

Application Specification:

411-15620



Relays Holder Gen1 (1 Maxi Relay 70A)

Part Number	Housing Color	Material	Package Quantity	Mating Contacts	Wire Size Range (mm ²)
1-953615-1	Red	PBT	450	Positive Lock MK1	160759-3 0.5 – 1.5
1-953615-2	Purple				154718-3 0.7 – 2.0
					154717-3 2.5 – 4.0
2-953615-1	Natural			MPT Receptacle	962928-1 2.5 – 4.0
2-953615-2	Black				962930-1 4.0 – 6.0
					962932-1 6.0 – 10