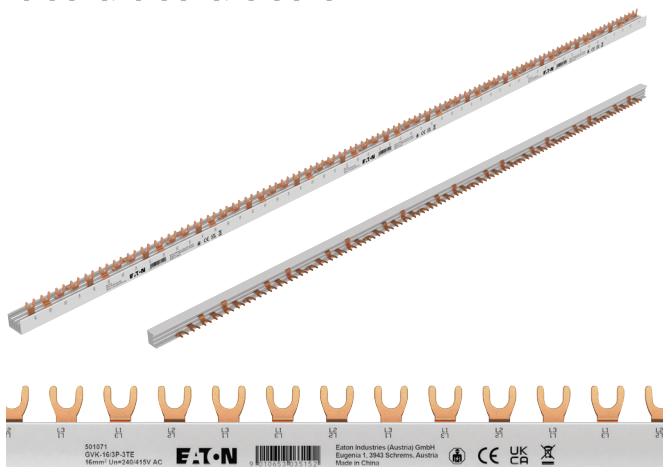


1.102 Busbar Systems

Busbar Block (Fork) GVK

xPole

WA_REN_SG_01922_L, WA_REN_SG_01322_R, WA_REN_SG_01522_C



Description

- Available in 10 and 16 mm² cross section
- Fork type
- 3- to 4-phases end caps available as accessories
- End caps must be ordered separately
- Comes in 1 meter length
- Busbar can be cut to desired length

Description	Cu-factor	Type Designation	Article No.	Units per package
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Busbar Block (Fork) GVK

- delivered without end caps
- comes in 1 meter length
- can be cut to length

10 mm² - Rated current 63 A

3-phases	0.350	GVK-10/3P-3TE	501073	20
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16 mm² - Rated current 80 A

3-phases	0.523	GVK-16/3P-3TE	501071	20
4-phases	0.660	GVK-16/3P+N-4TE	501074	15
4-phases	0.610	GVK-16/3P+3N-6TE	501072	15

WA_REN_SG_01922_L



Accessories

Description	Type Designation	Article No.	Units per package
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End cap 3-Phases for 10 mm ²	EK-3/10-EVGK-GVK	501076	10 / 5000
End cap 3-Phases for 16 mm ²	EK-3/16-EVGK-GVK	501077	10 / 5000
End cap 4-Phases for 16 mm ²	EK-3N/16-EVGK-GVK	501078	10 / 5000

SG05705



Description	Type Designation	Article No.	Units per package
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Accessories

Busbar Tag Shrouds for busbar, yellow ZV-BS-G

Finger and hand touch safe	ZV-BS-G	104903	10 / 600
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SG05705



Description Busbar Block 10mm², 16mm² (Fork) GVK

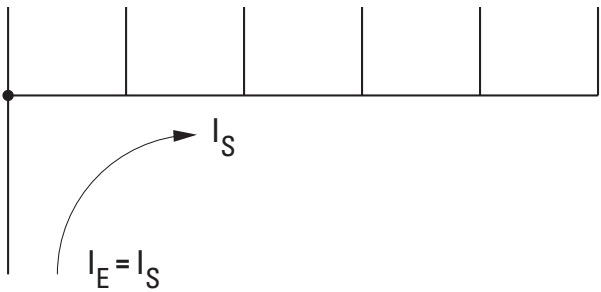
- GVK busbars can be cut to length
- Endcaps are not included and should be ordered separately

Technical Data

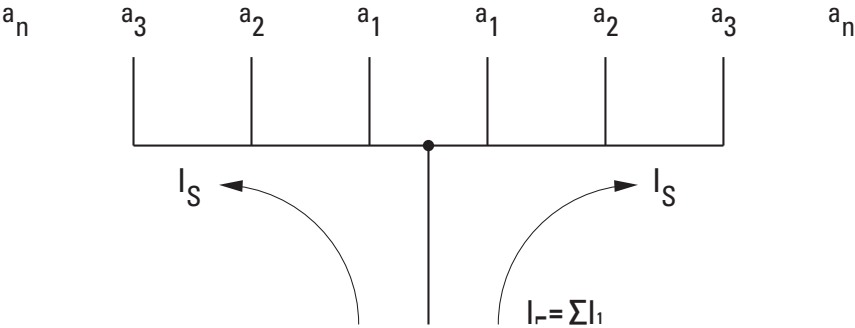
GVK	
General	
Standards	DIN EN 61439-1:2021-10 / DIN EN 61439-6:2013-06 IEC 664 / IEC 60895-2-12 / VDE 0110 / DIN EN 60754-1
Climate stability	according to IEC 68-2
Overvoltage category	III
Pollution Degree	2
Busbar Material	E-Cu-ETP
Isolation Material	PC-ABS
Endcap Material	PC-ABS
Touch protection Material	PP
Electrical	
Rated operating voltage	400 V AC
Rated current	
10 mm²	63 A
16 mm²	80 A
Short-circuit current strength	25 kA /100 A gl
Disruptive Strength	36 kV/mm
Surge Voltage	U_{imp} 4 kV
Mechanical	
Busbar cross section	10 and 16 mm²
Step distance	17.8 mm

Feeding

Side Feeding

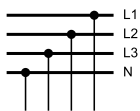


Central Feeding



Using central supply feeding you must be sure that the sum of the output current depending on $a_1 \dots a_n$ of each busbar part is not greater than the above max. busbar current I_s / phase

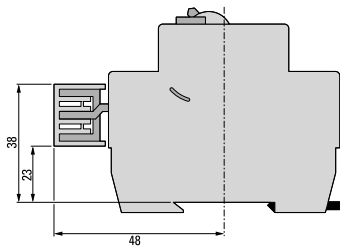
Connection diagram



Description Graphics

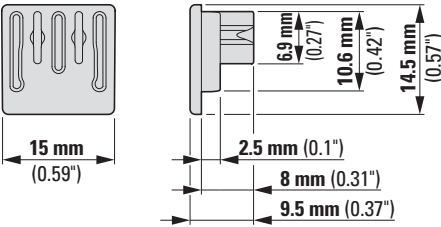
Devices to busbar	Pcs. of the devices	End caps		Type
3-phases				
	x19	EK-3/10-EVGK-GVK		GVK-10/3P-3TE
	x19	EK-3/16-EVGK-GVK		GVK-16/3P-3TE
2-phases (3P + 3N)				
	x27	EK-3N/16-EVGK-GVK		GVK-16/3P+3N-6TE
4-phases				
	x14	EK-3N/16-EVGK-GVK		GVK-16/3P+N-4TE

Dimensions (mm)

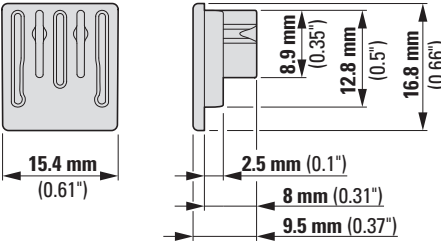


End Cap dimensions (mm)

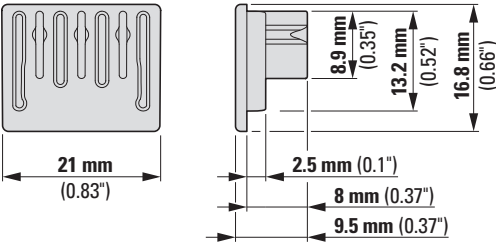
EK-3/10-EVGK-GVK



EK-3/16-EVGK-GVK

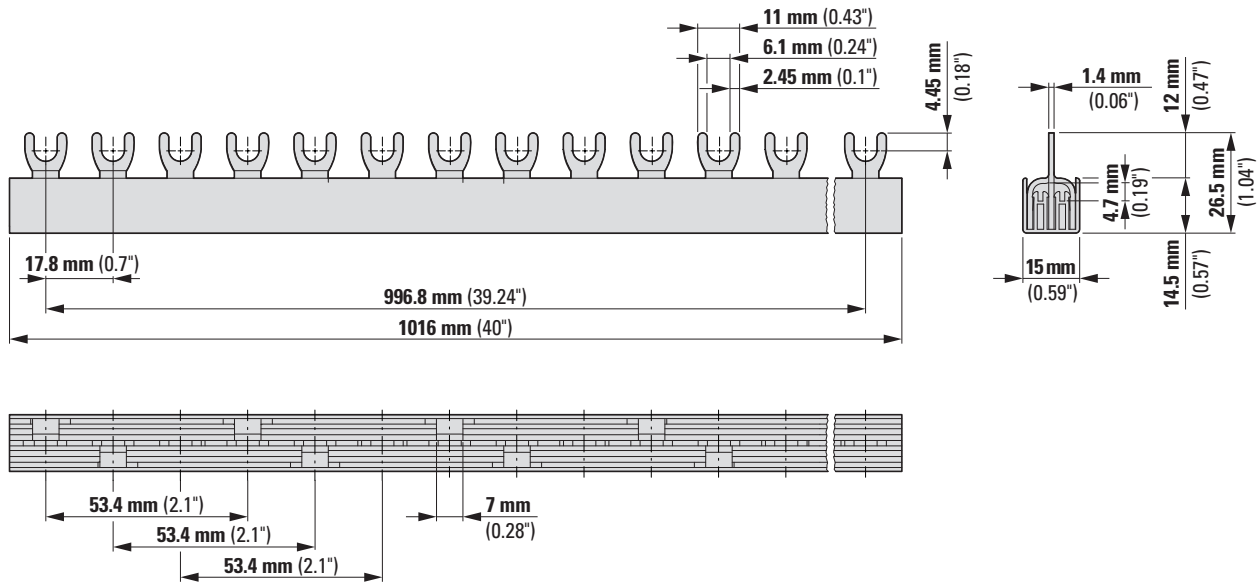


EK-3N/16-EVGK-GVK

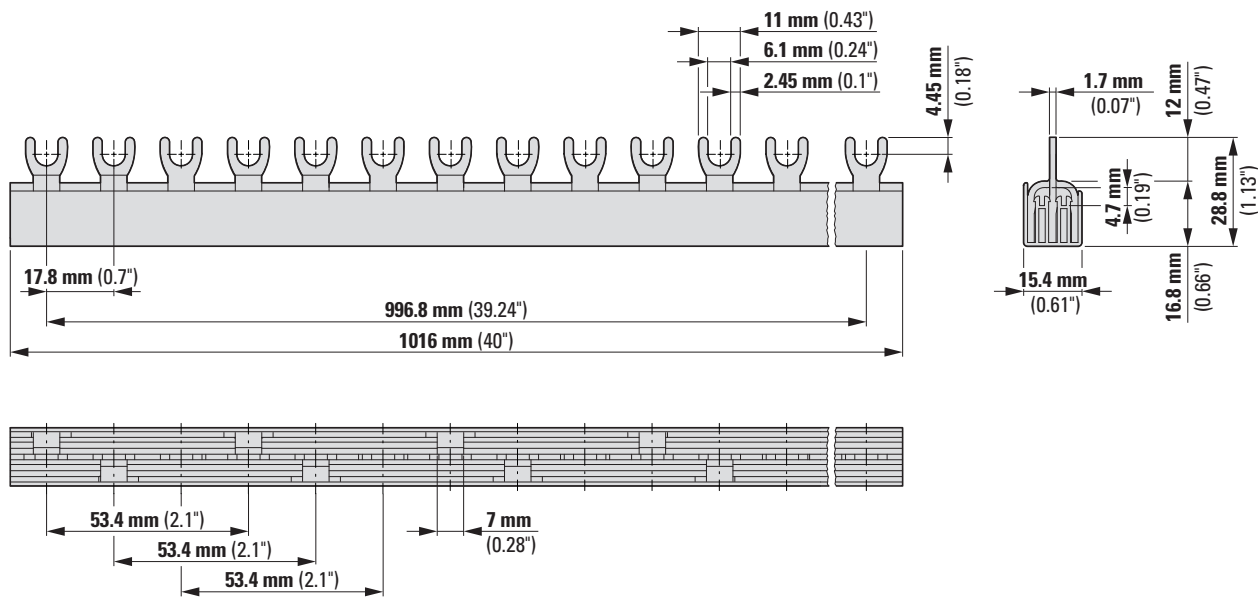


Busbar dimensions (mm)

GVK-10/3P-3TE

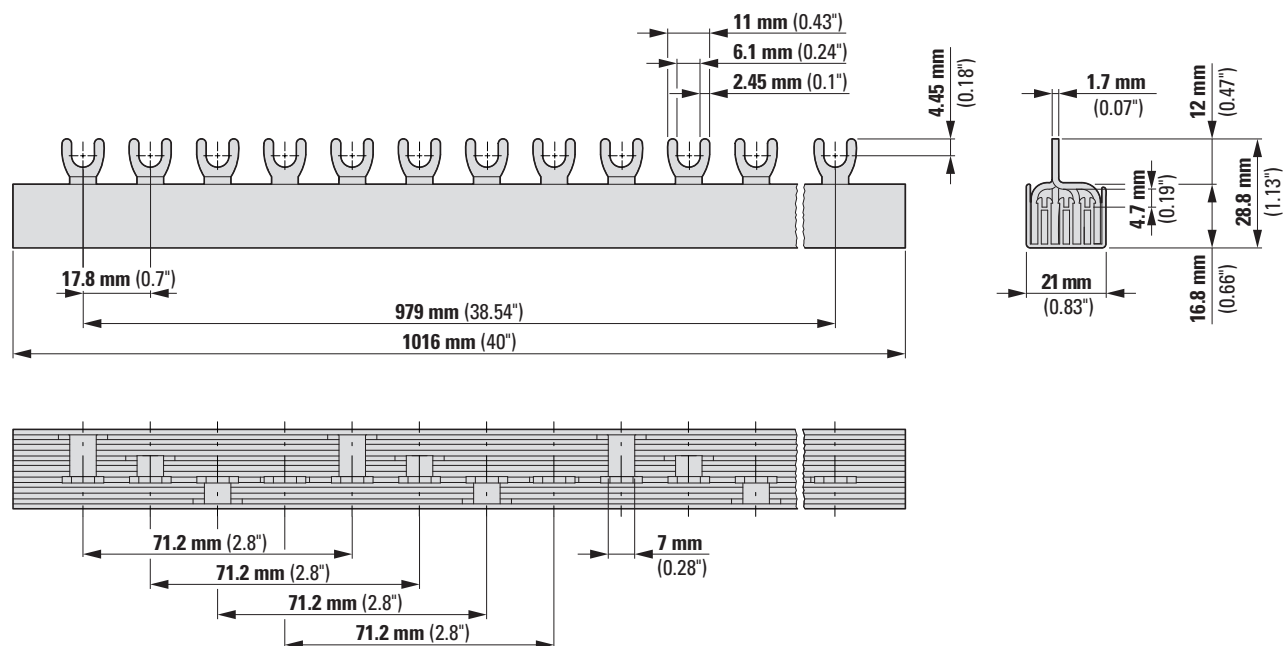


GVK-16/3P-3TE

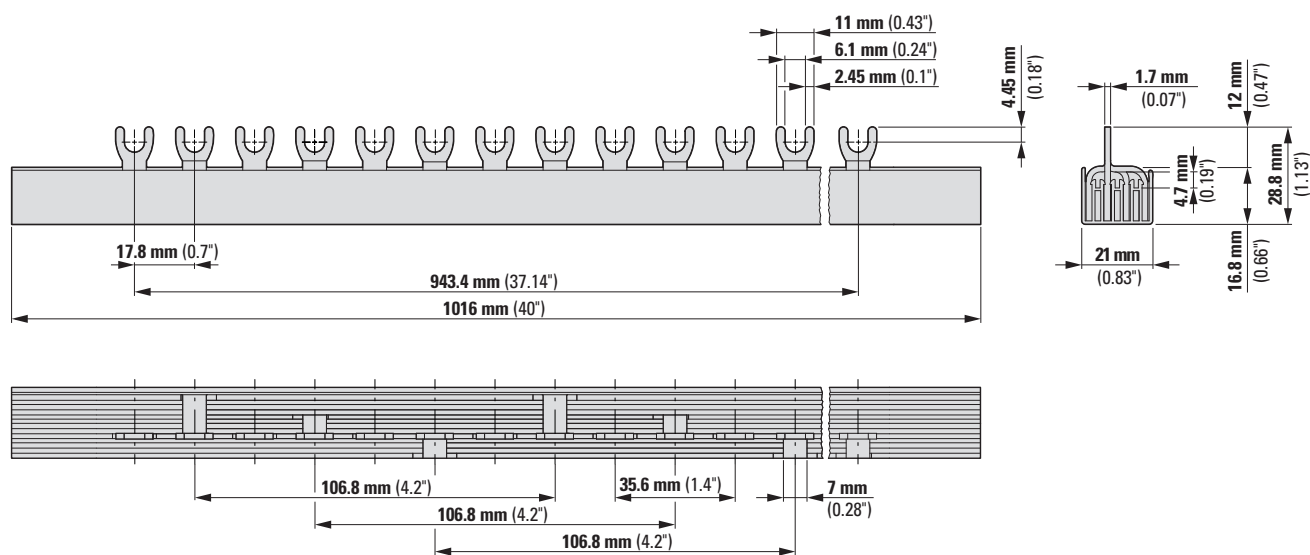


Busbar dimensions (mm)

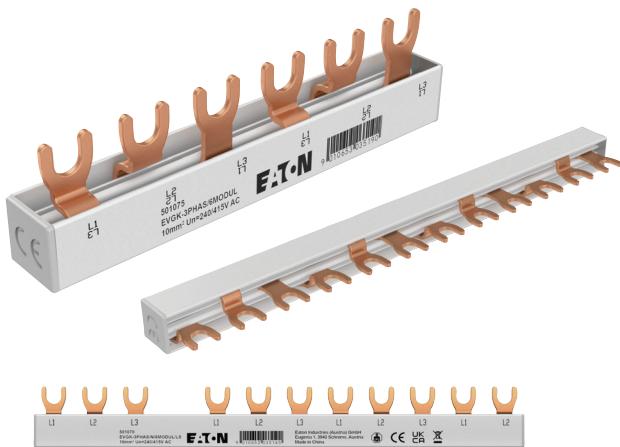
GVK-16/3P+N-4TE



GVK-16/3P+3N-6TE



WA_REN_SG_01622_L, WA_REN_SG_01722_R, WA_REN_SG_01822_C



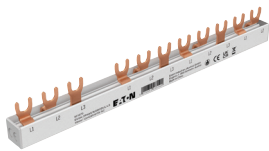
Description

- Available in 10 mm² cross section
- Fork type
- Comes with end caps
- Busbar can be cut to desired length
- End caps can be ordered separately as replacement

WA_REN_SG_01622_L



WA_REN_SG_01822_L



WA_REN_SG_00822_L



SG05705



Phases	MU	Cu-factor	Type Designation	Article No.	Units per package
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Euro-Vario-Busbar (Fork) EVGK

10 mm² - Rated current 63 A

3-phases	6	0.026	EVGK-3PHAS/6MODUL	501075	20 / 400
3-phases	12	0.068	EVGK-3PHAS/12MODUL	501069	20 / 200

For combination RCD/MCBs with RCD 4-pole

3-phases	4+8	0.065	EVGK-3PHAS/N/8MODUL/LS	501070	20 / 400
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Description	Type Designation	Article No.	Units per package
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Accessories

End cap 3-phases (10 mm²)	EK-3/10-EVGK-GVK	501076	10 / 5000
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Description	Type Designation	Article No.	Units per package
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Accessories

Busbar Tag Shrouds for busbar, yellow ZV-BS-G

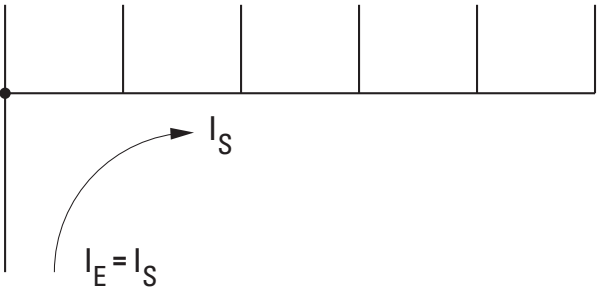
Finger and hand touch safe	ZV-BS-G	104903	10 / 600
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Technical Data

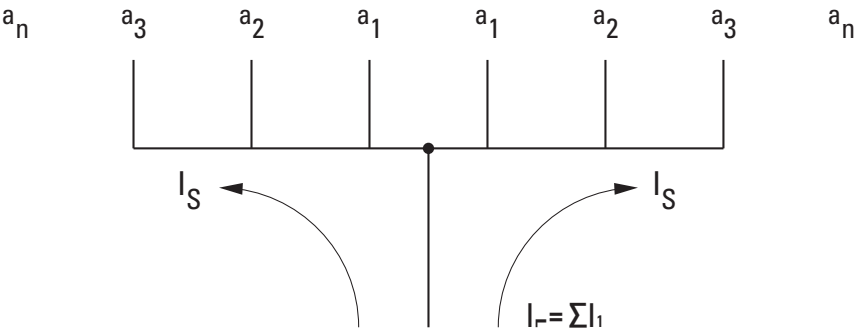
EVGK	
General	
Standards	DIN EN 61439-1:2021-10 / DIN EN 61439-6:2013-06 IEC 664 / IEC 60895-2-12 / VDE 0110 / DIN EN 60754-1
Climate stability	according to IEC 68-2
Overvoltage category	III
Pollution Degree	2
Busbar Material	E-Cu-ETP
Isolation Material	PC-ABS
Endcap Material	PC-ABS
Touch protection Material	PP
Electrical	
Rated operating voltage	400 V AC
Rated current	
10 mm ²	63 A
16 mm ²	80 A
Short-circuit current strength	25 kA /100 A gl
Disruptive Strength	36 kV/mm
Surge Voltage	U_{imp} 4 kV
Mechanical	
Busbar cross section	10 mm ²
Step distance	17.8 mm

Feeding

Side Feeding

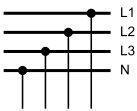


Central Feeding



Using central supply feeding you must be sure that the sum of the output current depending on $a_1 \dots a_n$ of each busbar part is not greater than the above max. busbar current I_s / phase

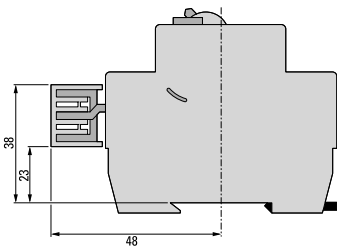
Connection diagram



Description Graphics

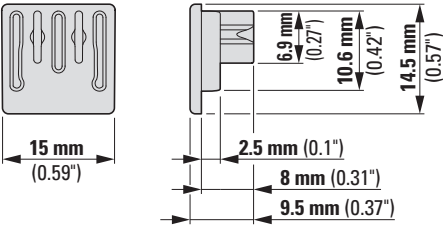
Devices to busbar	Pcs. of the devices	End caps	Type
3-phases			
	x2	EK-3/10-EVGK-GVK	EVGK-3PHAS/6MODUL
	x4		EVGK-3PHAS/12MODUL
For combination of RCD/MCBs. 4+8 MU			
		EK-3/10-EVGK-GVK	EVGK-3PHAS/N/8MODUL/LS

Dimensions (mm)

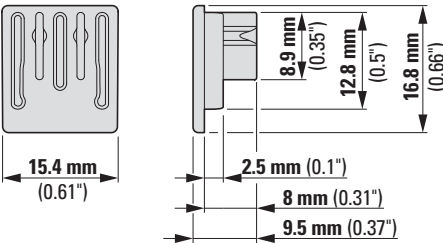


End Cap dimensions (mm)

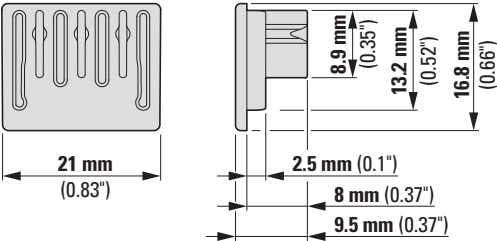
EK-3/10-EVGK-GVK



EK-3/16-EVGK-GVK

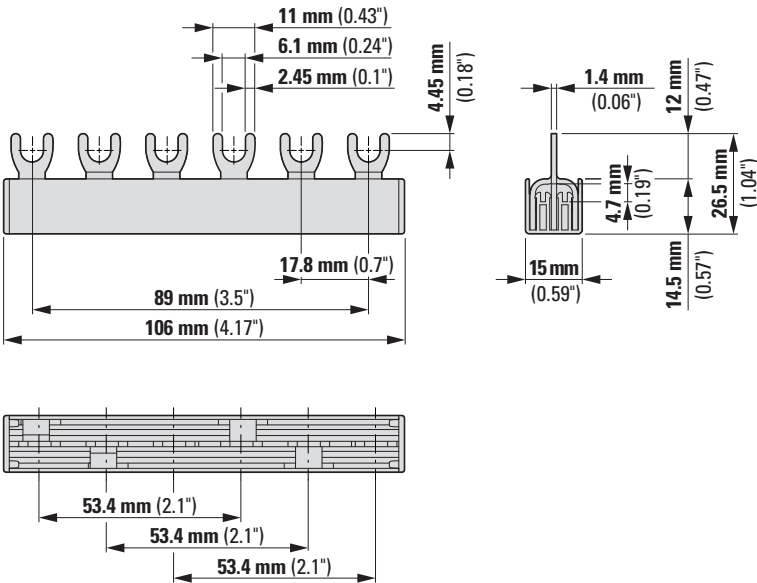


EK-3N/16-EVGK-GVK



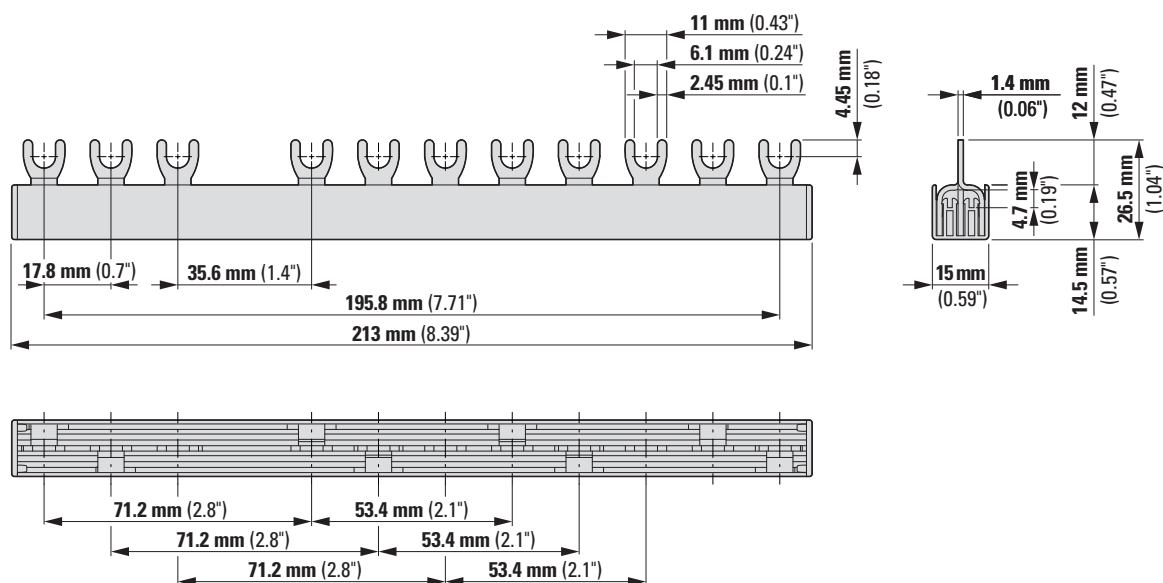
Dimensions (mm)

EVGK-3PHAS/6MODUL



Dimensions (mm)

EVGK-3PHAS/8MODUL/LS



EVGK-3PHAS/12MODUL

