



GM-R

Modular connectors

Modular connectors for rectangular modules developed for the harsh environmental conditions of transportation technology

General Information

GIMOTA AG

GIMOTA AG develops and produces connection solutions for railway applications under the toughest conditions. GIMOTA AG is located near Zurich in Switzerland and was founded by Otto Schoch in 1960. The company specialises in connectors for demanding railway applications. "The demanding applications of our customers are our daily challenge and motivation".

Many years of experience in a medium-sized company with high flexibility for customers make GIMOTA a unique partner on the international markets. Driven by a passion for pragmatic and reliable solutions, GIMOTA meets the requirements and expectations of its customers every day.

GIMOTA connectors are used worldwide in rail vehicles for virtually all essential connections. Typically for high current feeds, conventional and electronic control systems, all kinds of sensors, analogue and digital data and signal transmission and much more. This includes solutions that are implemented under almost all conceivable installation conditions and in diverse subsystems on traction units worldwide. For example, GIMOTA connectors are also used in stationary systems for versatile requirements.

GIMOTA supplies most of the leading international railway manufacturers and operators.



Know-How

Our capital is our long-standing, competent and experienced staff, as well as over 60 years of experience in the design of connectors for railways.



Innovation

Innovation is at the heart of our work. We encourage our employees to think creatively. This is how we arrive at convincing solutions for our customers.



Flexibility

Logistics solutions such as "just in time" deliveries, based on framework agreements and acceptance forecasts, or the management of minimum storage quantities are a matter of course for us.



Customer focus

Special designs according to customer requirements, as well as one-offs and small series are part of our customer-oriented standard.

Quality is our basis for the trust of our customers. We are ISO 9001 and 14001 certified.



GM-R - Modular connectors

Introduction



Inter-car connections, engine, lights, air conditioning, control cabinet, safety systems network, train control

For outdoor and indoor use, EMC shielding possible, up to 1000 V, up to 200 A, protection class IP69, crimp contacts



The modular connectors in Gimota's GM-R series are a system of contact inserts and accessories which, thanks to their modular design, enable a wide variety of individual connector solutions for signal, data and power transmission in a single connector housing.

A single housing can accommodate different types of connections. They therefore offer maximum flexibility for space-saving installation and are ideally suited for connecting control cabinets, devices, jumper connections, etc. A wide range of inserts and modules, which are arranged side by side, allow various connections up to 1000 V and 200 A.

Like all other GIMOTA connectors, the connectors in the GM-R series have been developed for the harsh environmental conditions of transport technology. Based on the proven circular connectors according to MIL DTL 5015, they are the logical adaptation to the needs of public transport.

They feature turned crimp contacts and, where necessary, a reliable shield connection. Thanks to their vibration resistance in accordance with DIN EN 61373, their tested protection classes up to IP69 in accordance with DIN EN 60529 and their high fire rating, they are particularly well suited to the demands of railway technology. They comply with the European fire protection standard for rail transport EN 45545-2:2013 + A1:2015 and EN 45545-2:2020 in categories R22, R23, R24 / HL1, HL2, HL3.

Whether circular connectors or robust rectangular connectors, connectors from Gimota are the right choice for simple and secure connection of cables in and on trains.



ADVANTAGES

- Suitable for railway applications
- Modular construction
- Ruggedized, solid hoods (aluminium)
- High resistance to vibration, impact and shaking
- Turned crimp contacts



PROPERTIES

- Transmission characteristics up to 10 Gbits/s CAT 6_A
- Up to 1000V / 200A
- Operating temperature -40°C to +125°C
- EMC shielding possible
- EN 45545-2 R22,R23,R24 / HL1,HL2,HL3
- EN 60529 Protection class up to IP69 DIN



**Technical characteristics**

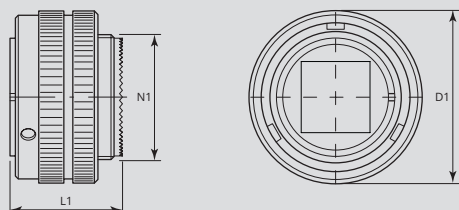
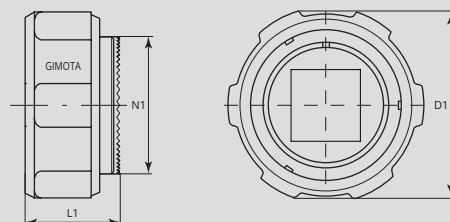
Shell material	Aluminum alloy
Surface	Epoxy-polyurethane
Surface colour	Black
Type of surface	Varnished
Thickness of surface treatment (μ)	13-16μ
Corrosion resistance [h]	500
Material contact insert	Aluminium
Material sealing ring	MVQ
Conductivity (MΩ)	Non conductive
EMI	No

Technical characteristics

Operation temperature [°C]	-40 - +125
Temperature shock [°C]	-40 - +125
Operating temperature insert [°C]	-40 - +125

Standards

Fire protection class DIN EN 45545-2	R22:HL1/HL2/HL3 R23: HL1/HL2/HL3
Fire protection class DIN EN 5510-2	I3/F0
Protection class EN 60529 (mounted)	IP69
RoHS-compliant	compliant
REACH-compliant	SVHC substances, no

Bayonet connector**Bayonet plug with rubber covered coupling nut**

Item number	Size	D1 Ø [mm]	L1 [mm]	N1	X1 [mm]	
GM60-36-R2PN-AAC	36	67	38.5	2 1/16"-16 UN 2A	11.3	
GM603-36-R2PN-AAC	36	83	41.0	2 1/16"-16 UN 2A	11.3	
GM60-40-R2PN-AAC	40	73	38.5	2 5/16"-16 UN 2A	9.0	
GM603-40-R2PN-AAC	40	88	42.0	2 5/16"-16 UN 2A	9.0	



Technical characteristics

Shell material	Aluminum alloy
Surface	Zinc
Surface colour	Black
Type of surface	Passivated
Thickness of surface treatment (μ)	12-15μ
Corrosion resistance [h]	200
Material contact insert	Aluminium
Material sealing ring	MVQ
Conductivity (MΩ)	≤ 0.5
EMI	Yes

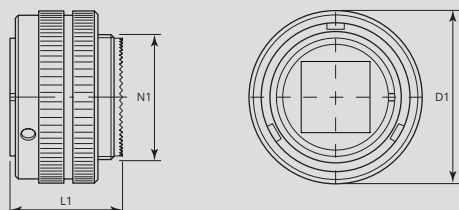
Technical characteristics

Operation temperature [°C]	-40 - +125
Temperature shock [°C]	-40 - +125
Operating temperature insert [°C]	-40 - +125

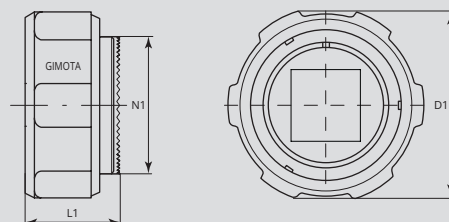
Standards

Fire protection class DIN EN 45545-2	R22:HL1/HL2/HL3 R23: HL1/HL2/HL3
Fire protection class DIN EN 5510-2	I3/F0
Protection class EN 60529 (mounted)	IP69
RoHS-compliant	compliant
REACH-compliant	SVHC substances, no

Bayonet connector



Bayonet plug with rubber covered coupling nut



Item number	Size	D1 Ø [mm]	L1 [mm]	N1	X1 [mm]	
GM601-36-R2PN-AAA	36	67	38.5	2 1/16"-16 UN 2A	11.3	
GM605-36-R2PN-AAA	36	83	41.0	2 1/16"-16 UN 2A	11.3	
GM601-40-R2PN-AAA	40	73	38.5	2 5/16"-16 UN 2A	9.0	
GM605-40-R2PN-AAA	40	88	42.0	2 5/16"-16 UN 2A	9.0	



Technical characteristics

Shell material	Aluminum alloy
Surface	Epoxy-polyurethane
Surface colour	Black
Type of surface	Varnished
Thickness of surface treatment (μ)	13-16μ
Corrosion resistance [h]	500
Material contact insert	Aluminium
Conductivity (MΩ)	Non conductive
EMI	No
Operation temperature [°C]	-40 - +125

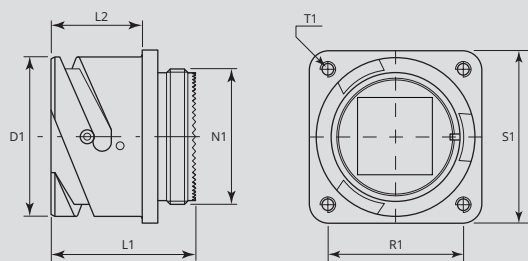
Technical characteristics

Temperature shock [°C]	-40 - +125
Operating temperature insert [°C]	-40 - +125

Standards

Fire protection class DIN EN 45545-2	R22:HL1/HL2/HL3 R23: HL1/HL2/HL3
Fire protection class DIN EN 5510-2	I3/F0
Protection class EN 60529 (mounted)	IP69
RoHS-compliant	compliant
REACH-compliant	SVHC substances, no

Panel receptacle with bayonet lock



Item number	Size	D1 Ø [mm]	L1 [mm]	L2 [mm]	N1	R1 [mm]	S1 [mm]	T1 [mm]	
GM321-36-R2SN-AAC	36	60	39.5	24.0	2 1/16"-16 UN 2A	49.2	63.5	4.3 / M5	
GM321-40-R2SN-AAC	40	65.5	39.5	24.1	2 5/16"-16 UN 2A	55.6	69.8	4.3 / M5	

**Technical characteristics**

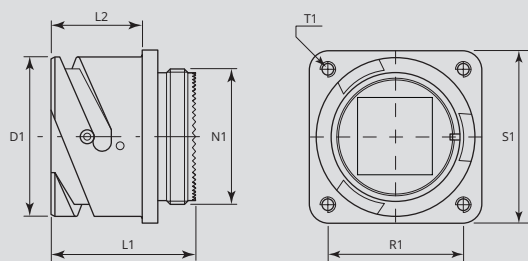
Shell material	Aluminum alloy
Surface	Zinc
Surface colour	Black
Type of surface	Passivated
Thickness of surface treatment (μ)	12-15μ
Corrosion resistance [h]	200
Material contact insert	Aluminium
Conductivity (MΩ)	≤ 0.5
EMI	Yes
Operation temperature [°C]	-40 - +125

Technical characteristics

Temperature shock [°C]	-40 - +125
Operating temperature insert [°C]	-40 - +125

Standards

Fire protection class DIN EN 45545-2	R22:HL1/HL2/HL3 R23: HL1/HL2/HL3
Fire protection class DIN EN 5510-2	I3/F0
Protection class EN 60529 (mounted)	IP69
RoHS-compliant	compliant
REACH-compliant	SVHC substances, no

Conductive panel receptacle with bayonet lock

Item number	Size	D1 Ø [mm]	L1 [mm]	L2 [mm]	N1	R1 [mm]	S1 [mm]	T1 [mm]	
GM321-36-R2SN-AAA	36	60	39.5	24.0	2 1/16"-16 UN 2A	49.2	63.5	4.3 / M5	
GM321-40-R2SN-AAA	40	65.5	39.5	24.1	2 5/16"-16 UN 2A	55.6	69.8	4.3 / M5	

**Technical characteristics**

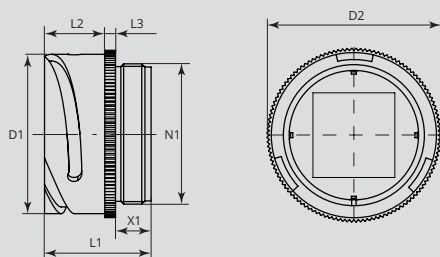
Shell material	Aluminum alloy
Surface	Epoxy-polyurethane
Surface colour	Black
Type of surface	Varnished
Thickness of surface treatment (μ)	13-16μ
Corrosion resistance [h]	500
Material contact insert	Aluminium
Conductivity (MΩ)	Non conductive
EMI	No
Operation temperature [°C]	-40 - +125

Technical characteristics

Temperature shock [°C]	-40 - +125
Operating temperature insert [°C]	-40 - +125

Standards

Fire protection class DIN EN 45545-2	R22:HL1/HL2/HL3 R23: HL1/HL2/HL3
Fire protection class DIN EN 5510-2	I3/F0
Protection class EN 60529 (mounted)	IP69
RoHS-compliant	compliant
REACH-compliant	SVHC substances, no

Inline receptacle with bayonet lock

Item number	Size	D1 Ø [mm]	L1 [mm]	L2 [mm]	N1
GM11-36-R2SN-AAC	36	59.6	37.5	22.2	2 1/16"-16 UN 2A
GM11-40-R2SN-AAC	40	66	37.5	22.2	2 5/16"-16 UN 2A



**Technical characteristics**

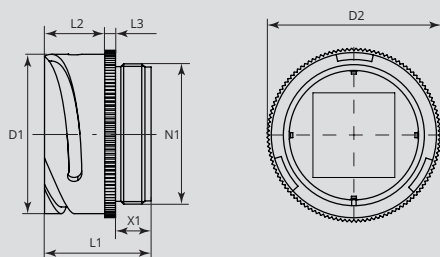
Shell material	Aluminum alloy
Surface	Zinc
Surface colour	Black
Type of surface	Passivated
Thickness of surface treatment (μ)	12-15μ
Corrosion resistance [h]	200
Material contact insert	Aluminium
Conductivity (MΩ)	≤ 0.5
EMI	Yes
Operation temperature [°C]	-40 - +125

Technical characteristics

Temperature shock [°C]	-40 - +125
Operating temperature insert [°C]	-40 - +125

Standards

Fire protection class DIN EN 45545-2	R22:HL1/HL2/HL3 R23: HL1/HL2/HL3
Fire protection class DIN EN 5510-2	I3/F0
Protection class EN 60529 (mounted)	IP69
RoHS-compliant	compliant
REACH-compliant	SVHC substances, no

Conductive inline receptacle with bayonet lock

Item number	Size	D1 Ø [mm]	L1 [mm]	L2 [mm]	N1	
GM11-36-R2SN-AAA	36	59.6	37.5	22.2	2 1/16"-16 UN 2A	
GM11-40-R2SN-AAA	40	66	37.5	22.2	2 5/16"-16 UN 2A	

**Technical characteristics**

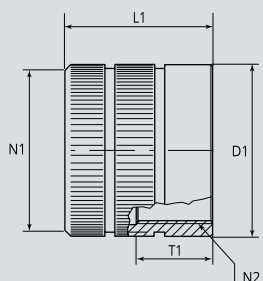
Size	36
Shell material	Aluminum alloy
Surface	Epoxy-polyurethane
Type of surface	Varnished
Thickness of surface treatment (μ)	13-16μ
Surface colour	Black
Corrosion resistance [h]	500
Operation temperature [°C]	-55 - +125
Temperature shock [°C]	-55 - +125

Technical characteristics

Conductivity (MΩ)	Non conductive
EMI	No
Material sealing ring	Silicone

Standards

Fire protection class DIN EN 45545-2	R22:HL1/HL2/HL3 R23: HL1/HL2/HL3
Protection class EN 60529 (mounted)	IP69
RoHS-compliant	Compliant
REACH-compliant	SVHC substances, no

Backshell

Item number	Size	N1	L1 [mm]	N2	D1 Ø [mm]	T1 [mm]	
BSN36-M6B-AC	36	2 1/16"-16 UN 2B	56.0	M40x1.5	58	13.0	
BSN36-M7B-AC	36	2 1/16"-16 UN 2B	56.0	M50x1.5	58	13.0	
BSN40-M6B-AC	40	2 5/16"-16 UNEF 2B	65.0	M40x1.5	55	15.5	
BSN40-M7B-AC	40	2 5/16"-16 UNEF 2B	56.0/65.0	M50x1.5	64	13.0	
BSN40-M8B-AC	40	2 5/16"-16 UNEF 2B	65.0	M63x1.5	64	13.0	



Technical characteristics

Size	36
Shell material	Aluminum alloy
Surface	Zinc
Type of surface	Passivated
Thickness of surface treatment (μ)	10-15μ
Surface colour	Black
Corrosion resistance [h]	200
Operation temperature [°C]	-55 - +90
Temperature shock [°C]	-55 - +125

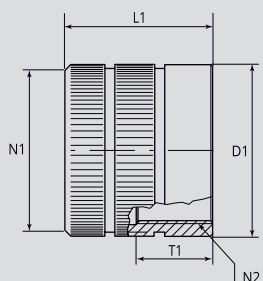
Technical characteristics

Conductivity (MΩ)	≤ 0.5
EMI	Yes
Material sealing ring	Silicone

Standards

Fire protection class DIN EN 45545-2	R22:HL1/HL2/HL3 R23: HL1/HL2/HL3
Protection class EN 60529 (mounted)	IP69
RoHS-compliant	Compliant
REACH-compliant	SVHC substances, no

Backshell



Item number	Size	N1	L1 [mm]	N2	D1 Ø [mm]	T1 [mm]	
BSN36-M6B-AA	36	2 1/16"-16 UN 2B	56.0	M40x1.5	58	13.0	
BSN36-M7B-AA	36	2 1/16"-16 UN 2B	56.0	M50x1.5	58	13.0	
BSN40-M6B-AA	40	2 5/16"-16 UNEF 2B	65.0	M40x1.5	64	13.0	
BSN40-M7B-AA	40	2 5/16"-16 UNEF 2B	65.0	M50x1.5	64	13.0	
BSN40-M8B-AA	40	2 5/16"-16 UNEF 2B	65.0	M63x1.5	64	13.0	

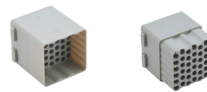
GM-R - Modular connectors

Overview modules

Modules	GMRM-1000-200-1PHC-02	GMRM-830-100-1PKC-01	GMRM-1000-100-2PKC-02	GMRM-1000-70-2PK70C-01
	GMRM-1000-200-1SHC-02	GMRM-830-100-1SKC-01	GMRM-1000-100-2SKC-02	GMRM-1000-70-2SK70C-01
Number of Contacts	1	1	2	2
				
Rated current (A)	200	100	100	70
Rated voltage (V)	1000	830	1000	1000
Wire gauge (mm ²)	25 - 70	10 - 35	10 - 35	10 - 25

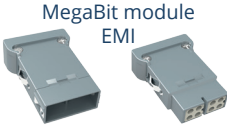
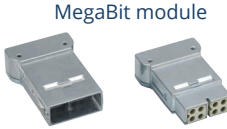
Modules	GMRM-1000-40-2PCC-01	GMRM-690-40-3PCC-01	GMRM-830-40-4PCC-01	GMRM-5000-40-2PCC-02
	GMRM-1000-40-2SCC-01	GMRM-690-40-3SCC-01	GMRM-830-40-4SCC-01	GMRM-5000-40-2SCC-02
Number of Contacts	2	3	4	2
				
Rated current (A)	40	40	40	40
Rated voltage (V)	1000	690	830	5000 / 2900 $\downarrow$
Wire gauge (mm ²)	1.5 - 10	1.5 - 10	1.5 - 6	1.5 - 10

Modules	GMRM-5000-16-2PEC-02	GMRM-500-16-6PEC-01	GMRM-830-16-6PEC-01	GMRM-400-16-8PEC-01
	GMRM-5000-16-2SEC-02	GMRM-500-16-6SEC-01	GMRM-830-16-6SEC-01	GMRM-400-16-8SEC-01
Number of Contacts	2	6	6	8
				
Rated current (A)	16	16	16	16
Rated voltage (V)	5000 / 2900 $\downarrow$	500	830	400
Wire gauge (mm ²)	0.37 - 4	0.14 - 4	0.14 - 4	0.14 - 4

Modules	GMRM-500-16-20PEC-02	GMRM-250-10-12PZC-01	GMRM-160-10-17PZC-01	GMRM-150-10-42PZC-02
	GMRM-500-16-20SEC-02	GMRM-250-10-12SZC-01	GMRM-160-10-17SZC-01	GMRM-150-10-42SZC-02
Number of Contacts	20	12	17	42
				
Rated current (A)	16	10	10	10
Rated voltage (V)	500	250	160V	150
Wire gauge (mm ²)	0.14 - 4	0.14 - 2.5	0.14 - 2.5	0.14 - 2.5

GM-R - Modular connectors

Overview modules

Modules	GMRM-50-4-25PSC-01	GMRM-AMG-8P-01	GMRM-MBE-8PZC-AMG	GMRM-MB-8PZC-AMG
	GMRM-50-4-25SSC-01	GMRM-AMG-8S-01	GMRM-MBE-8SZC-AMG	GMRM-MB-8SZC-AMG
Number of Contacts	42	Adapter to MB and GB module	2 x 4 + Screen	2 x 4
				
Rated current (A)	4		10	10
Rated voltage (V)	50		50	50
Wire gauge (mm²)	0.09 - 0.52		0.14 - 2.5	0.14 - 2.5

Modules	GMRM-GBE-8PSC-AMG	GMRM-GB-8PSC-AMG	GMRA-CC-MG-5-7	GMRA-CC-MG-9-11
	GMRM-GBE-8SSC-AMG	GMRM-GB-8SSC-AMG	GMRA-CC-MG-7-10	GMRA-CC-MG-10-12
Number of Contacts	4 x 2 + Screen	4 x 2	for MB and GB modules	for MB and GB modules
				
Rated current (A)	5	5	Clamping range	Clamping range
Rated voltage (V)	40	40	5 - 7mm 7 - 10mm	9-11mm 10-12mm
Wire gauge (mm²)	0.09 - 0.82	0.09 - 0.82		

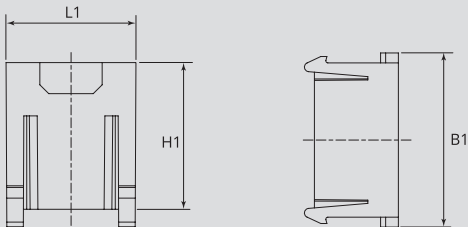
Modules	GMRM-AQC-2P-02	GMRM-50-10-4PZC-AQC	GMRM-50-5-8PSC-AQC	GMRM-BM-01
	GMRM-AQC-2S-02	GMRM-50-10-4SZC-AQC	GMRM-50-5-8SSC-AQC	
Number of Contacts	Adapter for Q-Coax modules	4 + Screen	8 + Screen	Blind module
				
Rated current (A)		50	50	
Rated voltage (V)		10	5	
Clamping range		3 - 9.5	3 - 9.5	



Technical characteristics	
Number of slots	1
Material contact insert	Polycarbonate (PC)
Operating temperature insert [°C]	-40 - +125
Standards	
Basic standards	DIN EN 61984 DIN EN 60664

Standards	
Fire protection class DIN EN 45545-2	R22/HL1,HL2 R23,24/HL1,HL2,HL3
Flammability rating UL 94	V0
RoHS-compliant	Compliant
REACH-compliant	SVHC substances, no

Blindmodul



Item number	L1 [mm]	B1 [mm]	Height [mm]
GMRM-BM-01	14.6	34.2	16.5

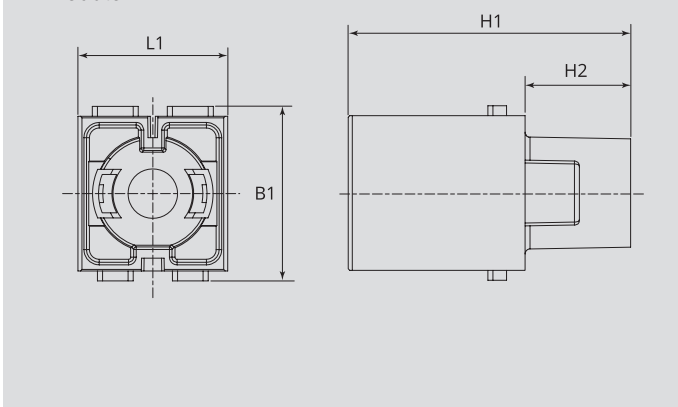
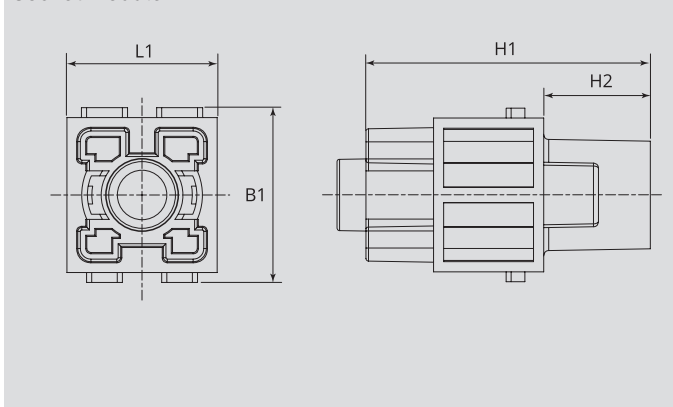


**Technical characteristics**

Number of slots	2
Number of contacts	1
Material contact insert	Polycarbonate (PC)
Operating temperature insert [°C]	-40 - +125
Number of mating cycles (min.)	500
Rated current [A]	200
Operating voltage [V]	1000
Test voltage DC [V]	8
Insulation resistance (Ω)	$\geq 10^{10}$
Pollution degree	3

Standards

Basic standards	DIN EN 61984 DIN EN 60664
Fire protection class DIN EN 45545-2	R22/HL1,HL2 R23,24/HL1,HL2,HL3
Flammability rating UL 94	V0
RoHS-compliant	Compliant
REACH-compliant	SVHC substances, no

Pin module**Socket module**

Item number	Contact type	L1 [mm]	B1 [mm]	Height [mm]	H2 [mm]
GMRM-1000-200-1PHC-02	Pin	29.4	34.2	56.2	21
GMRM-1000-200-1SHC-02	Socket	29.4	34.2	61.7	24.7

**Pin contacts**

GMRC-PHC-25AG	Pin contact HC series, 200A, 25mm ²
GMRC-PHC-35AG	Pin contact HC series, 200A, 35mm ²
GMRC-PHC-50AG	Pin contact HC series, 200A, 50mm ²
GMRC-PHC-70AG	Pin contact HC series, 200A, 70mm ²

Socket contacts

GMRC-SHC-25AG	Socket contact HC series, 200A, 25mm ²
GMRC-SHC-35AG	Socket contact HC series, 200A, 35mm ²
GMRC-SHC-50AG	Socket contact HC series, 200A, 50mm ²
GMRC-SHC-70AG	Socket contact HC series, 200A, 70mm ²

**Technical characteristics**

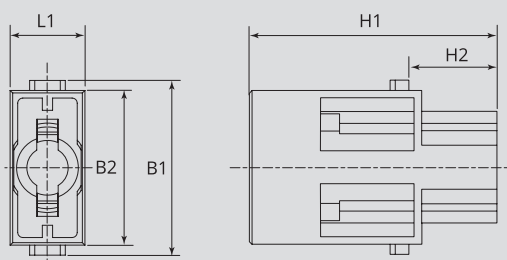
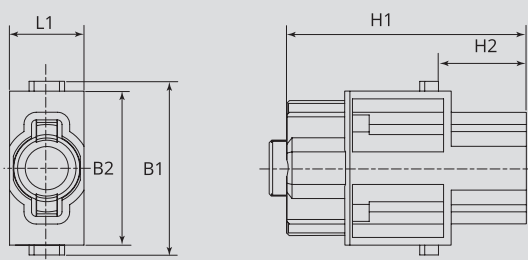
Number of slots	1
Number of contacts	1
Material contact insert	Polycarbonate (PC)
Operating temperature insert [°C]	-40 - +125
Max. cable insulation Ø [mm]	13
Number of mating cycles (min.)	500
Rated current [A]	100
Operating voltage [V]	830
Test voltage DC [V]	8

Technical characteristics

Insulation resistance (Ω)	$\geq 10^{10}$
Pollution degree	3

Standards

Basic standards	DIN EN 61984 DIN EN 60664
Fire protection class DIN EN 45545-2	R22/HL1,HL2 R23,24/HL1,HL2,HL3
Flammability rating UL 94	V0
RoHS-compliant	Compliant
REACH-compliant	SVHC substances, no

Pin module**Socket module**

Item number	Contact type	L1 [mm]	B1 [mm]	B2 [mm]	Height [mm]	H2 [mm]	
GMRM-830-100-1PKC-01	Pin	14.6	34.2	30.3	48.7	17.3	
GMRM-830-100-1SKC-01	Socket	14.6	34.2	30.3	47.2	17.3	

Pin contacts

GMRC-PKC-10AG	Pin contact KC series, 100A, 10mm ²
GMRC-PKC-16AG	Pin contact KC series, 100A, 16mm ²
GMRC-PKC-25AG	Pin contact KC series, 100A, 25mm ²
GMRC-PKC-35AG	Pin contact KC series, 100A, 35mm ²

Socket contacts

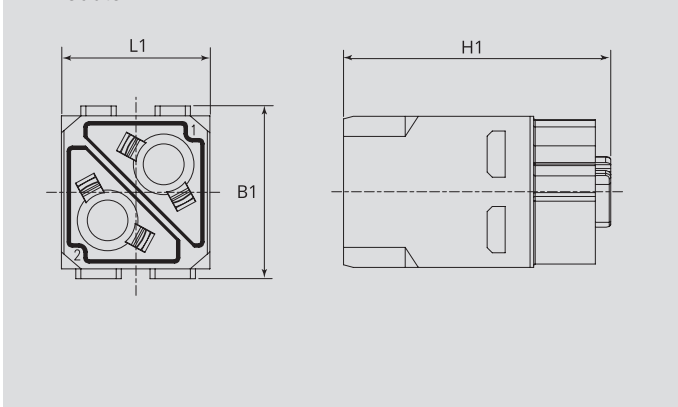
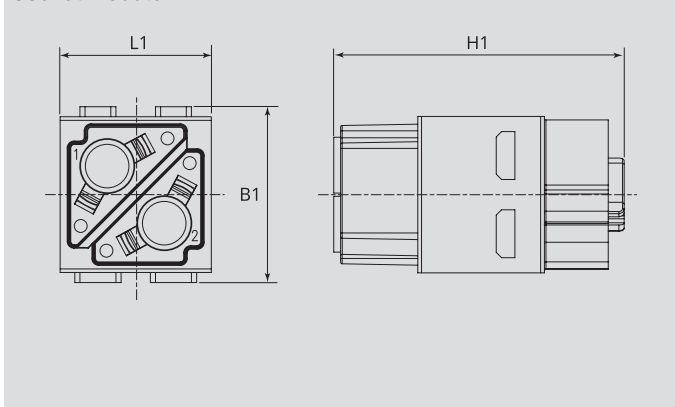
GMRC-SKC-10AG	Socket contact KC series, 100A, 10mm ²
GMRC-SKC-16AG	Socket contact KC series, 100A, 16mm ²
GMRC-SKC-25AG	Socket contact KC series, 100A, 25mm ²
GMRC-SKC-35AG	Socket contact KC series, 100A, 35mm ²

**Technical characteristics**

Number of slots	2
Number of contacts	2
Material contact insert	Polycarbonate (PC)
Operating temperature insert [°C]	-40 - +125
Number of mating cycles (min.)	500
Rated current [A]	100
Operating voltage [V]	1000
Test voltage DC [V]	8
Insulation resistance (Ω)	$\geq 10^{10}$
Pollution degree	3

Standards

Basic standards	DIN EN 61984 DIN EN 60664
Fire protection class DIN EN 45545-2	R22/HL1,HL2 R23,24/HL1,HL2,HL3
Flammability rating UL 94	V0
RoHS-compliant	Compliant
REACH-compliant	SVHC substances, no

Pin module**Socket module**

Item number	Contact type	L1 [mm]	B1 [mm]	Height [mm]	
GMRM-1000-100-2PKC-02	Pin	29.4	34.2	52	
GMRM-1000-100-2SKC-02	Socket	29.4	34.2	54.6	

Pin contacts

GMRC-PKC-10AG	Pin contact KC series, 100A, 10mm ²
GMRC-PKC-16AG	Pin contact KC series, 100A, 16mm ²
GMRC-PKC-25AG	Pin contact KC series, 100A, 25mm ²
GMRC-PKC-35AG	Pin contact KC series, 100A, 35mm ²

Socket contacts

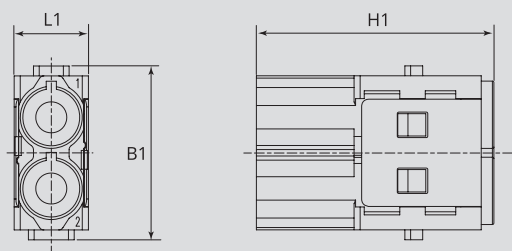
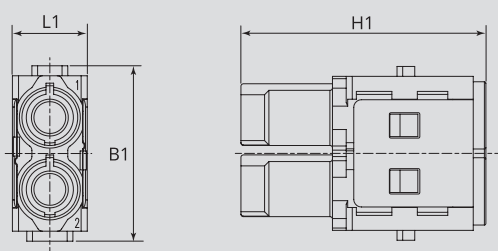
GMRC-SKC-10AG	Socket contact KC series, 100A, 10mm ²
GMRC-SKC-16AG	Socket contact KC series, 100A, 16mm ²
GMRC-SKC-25AG	Socket contact KC series, 100A, 25mm ²
GMRC-SKC-35AG	Socket contact KC series, 100A, 35mm ²

**Technical characteristics**

Number of slots	1
Number of contacts	2
Material contact insert	Polycarbonate (PC)
Operating temperature insert [°C]	-40 - +125
Number of mating cycles (min.)	500
Rated current [A]	70
Operating voltage [V]	1000
Test voltage DC [V]	8
Insulation resistance (Ω)	$\geq 10^{10}$
Pollution degree	3

Standards

Basic standards	DIN EN 61984 DIN EN 60664
Fire protection class DIN EN 45545-2	R22/HL1,HL2 R23,24/HL1,HL2,HL3
Flammability rating UL 94	V0
RoHS-compliant	Compliant
REACH-compliant	SVHC substances, no

Pin module**Socket module**

Item number	Contact type	L1 [mm]	B1 [mm]	Height [mm]	
GMRM-1000-70-2PK70C-01	Pin	14.6	34.2	46.7	
GMRM-1000-70-2SK70C-01	Socket	14.6	34.2	48.2	

Pin contacts

GMRC-PK70C-6AG	Pin contact K70C series, 70A, 6mm ²
GMRC-PK70C-10AG	Pin contact K70C series, 70A, 10mm ²
GMRC-PK70C-16AG	Pin contact K70C series, 70A, 16mm ²
GMRC-PK70C-25AG	Pin contact K70C series, 70A, 25mm ²

Socket contacts

GMRC-SK70C-6AG	Socket contact K70C series, 70A, 6mm ²
GMRC-SK70C-10AG	Socket contact K70C series, 70A, 10mm ²
GMRC-SK70C-16AG	Socket contact K70C series, 70A, 16mm ²
GMRC-SK70C-25AG	Socket contact K70C series, 70A, 25mm ²



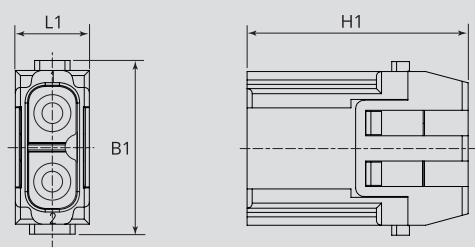
Technical characteristics

Number of slots	1
Number of contacts	2
Material contact insert	Polycarbonate (PC)
Operating temperature insert [°C]	-40 - +125
Number of mating cycles (min.)	500
Rated current [A]	40
Operating voltage [V]	1000
Test voltage DC [V]	8
Insulation resistance (Ω)	$\geq 10^{10}$
Pollution degree	3

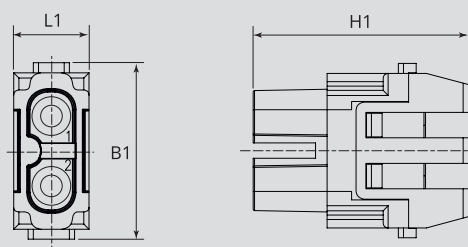
Standards

Basic standards	DIN EN 61984 DIN EN 60664
Fire protection class DIN EN 45545-2	R22/HL1,HL2 R23,24/HL1,HL2,HL3
Flammability rating UL 94	V0
RoHS-compliant	Compliant
REACH-compliant	SVHC substances, no

Pin module



Socket module



Item number	Contact type	L1 [mm]	B1 [mm]	Height [mm]	
GMRM-1000-40-2PCC-01	Pin	14.6	34.2	43.7	
GMRM-1000-40-2SCC-01	Socket	14.6	34.2	42.4	

Pin contacts



GMRC-PCC-1.5AG	Pin contact CC series, 40A, 1.5mm ²
GMRC-PCC-2.5AG	Pin contact CC series, 40A, 2.5mm ²
GMRC-PCC-4.0AG	Pin contact CC series, 40A, 4mm ²
GMRC-PCC-6.0AG	Pin contact CC series, 40A, 6mm ²
GMRC-PCC-10.0AG	Pin contact CC series, 40A, 10mm ²

Socket contacts



GMRC-SCC-1.5AG	Socket contact CC series, 40A, 1.5mm ²
GMRC-SCC-2.5AG	Socket contact CC series, 40A, 2.5mm ²
GMRC-SCC-4.0AG	Socket contact CC series, 40A, 4mm ²
GMRC-SCC-6.0AG	Socket contact CC series, 40A, 6mm ²
GMRC-SCC-10.0AG	Socket contact CC series, 40A, 10mm ²



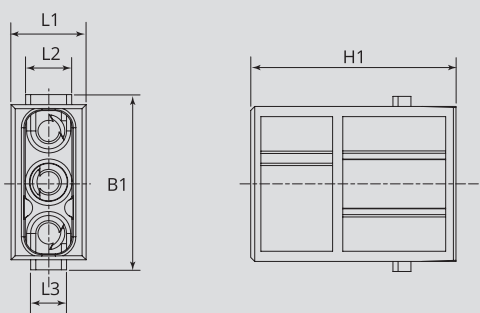
Technical characteristics

Number of slots	1
Number of contacts	3
Material contact insert	Polycarbonate (PC)
Operating temperature insert [°C]	-40 - +125
Number of mating cycles (min.)	500
Rated current [A]	40
Operating voltage [V]	690
Test voltage DC [V]	8
Insulation resistance (Ω)	$\geq 10^{10}$
Pollution degree	3

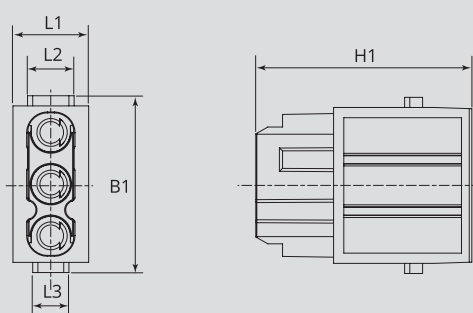
Standards

Basic standards	DIN EN 61984 DIN EN 60664
Fire protection class DIN EN 45545-2	R22/HL1,HL2 R23,24/HL1,HL2,HL3
Flammability rating UL 94	V0
RoHS-compliant	Compliant
REACH-compliant	SVHC substances, no

Pin module



Socket module



Item number	Contact type	L1 [mm]	B1 [mm]	Height [mm]	
GMRM-690-40-3PCC-01	Pin	14.6	34.2	40.1	
GMRM-690-40-3SCC-01	Socket	14.6	34.2	42	

Pin contacts



GMRC-PCC-1.5AG	Pin contact CC series, 40A, 1.5mm ²
GMRC-PCC-2.5AG	Pin contact CC series, 40A, 2.5mm ²
GMRC-PCC-4.0AG	Pin contact CC series, 40A, 4mm ²
GMRC-PCC-6.0AG	Pin contact CC series, 40A, 6mm ²
GMRC-PCC-10.0AG	Pin contact CC series, 40A, 10mm ²

Socket contacts



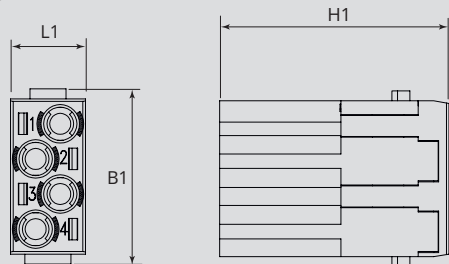
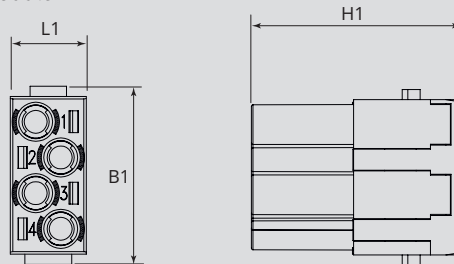
GMRC-SCC-1.5AG	Socket contact CC series, 40A, 1.5mm ²
GMRC-SCC-2.5AG	Socket contact CC series, 40A, 2.5mm ²
GMRC-SCC-4.0AG	Socket contact CC series, 40A, 4mm ²
GMRC-SCC-6.0AG	Socket contact CC series, 40A, 6mm ²
GMRC-SCC-10.0AG	Socket contact CC series, 40A, 10mm ²

**Technical characteristics**

Number of slots	1
Number of contacts	4
Material contact insert	Polycarbonate (PC)
Operating temperature insert [°C]	-40 - +125
Number of mating cycles (min.)	500
Rated current [A]	40
Operating voltage [V]	830
Test voltage DC [V]	8
Insulation resistance (Ω)	$\geq 10^{10}$
Pollution degree	3

Standards

Basic standards	DIN EN 61984 DIN EN 60664
Fire protection class DIN EN 45545-2	R22/HL1,HL2 R23,24/HL1,HL2,HL3
Flammability rating UL 94	V0
RoHS-compliant	Compliant
REACH-compliant	SVHC substances, no

Pin module**Socket module**

Item number	Contact type	L1 [mm]	B1 [mm]	Height [mm]	
GMRM-830-40-4PCC-01	Pin	14.6	34.2	44.6	
GMRM-830-40-4SCC-01	Socket	14.6	34.2	40.9	

Pin contacts

GMRC-PCC-1.5AG	Pin contact CC series, 40A, 1.5mm ²
GMRC-PCC-2.5AG	Pin contact CC series, 40A, 2.5mm ²
GMRC-PCC-4.0AG	Pin contact CC series, 40A, 4mm ²
GMRC-PCC-6.0AG	Pin contact CC series, 40A, 6mm ²
GMRC-PCC-10.0AG	Pin contact CC series, 40A, 10mm ²

Socket contacts

GMRC-SCC-1.5AG	Socket contact CC series, 40A, 1.5mm ²
GMRC-SCC-2.5AG	Socket contact CC series, 40A, 2.5mm ²
GMRC-SCC-4.0AG	Socket contact CC series, 40A, 4mm ²
GMRC-SCC-6.0AG	Socket contact CC series, 40A, 6mm ²
GMRC-SCC-10.0AG	Socket contact CC series, 40A, 10mm ²

**Technical characteristics**

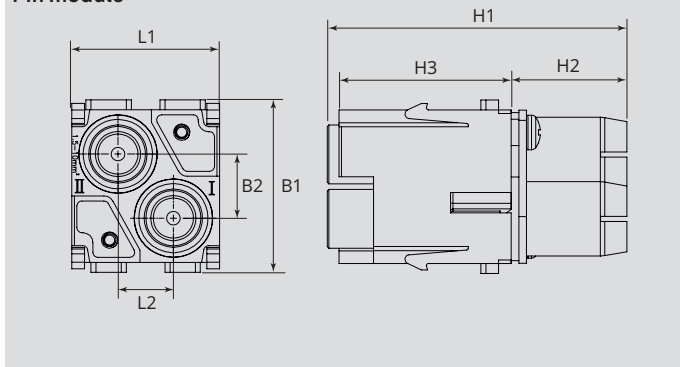
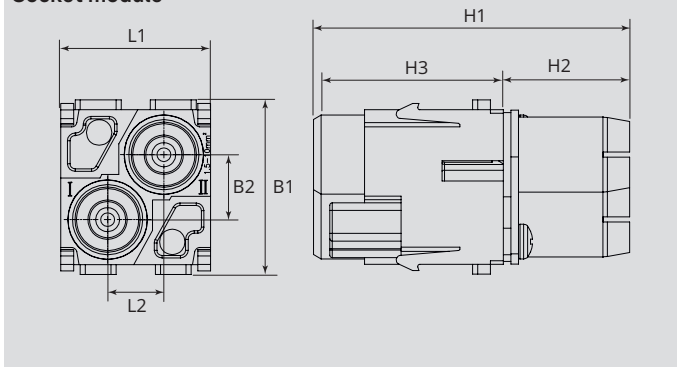
Number of slots	2
Number of contacts	2
Material contact insert	Polycarbonate (PC) / Polytetrafluoroethylene (PTFE)
Operating temperature insert [°C]	-40 - +125
Max. cable insulation Ø [mm]	9
Number of mating cycles (min.)	500
Rated current [A]	40
Operating voltage [V]	5000 / 2900
Test voltage DC [V]	15

Technical characteristics

Insulation resistance (Ω)	$\geq 10^{10}$
Pollution degree	3

Standards

Basic standards	DIN EN 61984 DIN EN 60664
Fire protection class DIN EN 45545-2	R22/HL1,HL2 R23,24/HL1,HL2,HL3
Flammability rating UL 94	V0
RoHS-compliant	Compliant
REACH-compliant	SVHC substances, no

Pin module**Socket module**

Item number	Contact type	L1 [mm]	B1 [mm]	B2 [mm]	Height [mm]	H2 [mm]	
GMRM-5000-40-2PCC-02	Pin	29.3	34.2	12.7	59.1	34	
GMRM-5000-40-2SCC-02	Socket	29.3	34.2	12.7	62	34	

Pin contacts

GMRC-PEC-0.50AU	Pin contact EC series, 16A, 0.5mm ²
GMRC-PEC-0.75AU	Pin contact EC series, 16A, 0.75mm ²
GMRC-PEC-1.0AU	Pin contact EC series, 16A, 1.0mm ²
GMRC-PEC-1.5AU	Pin contact EC series, 16A, 1.5mm ²
GMRC-PEC-2.5AU	Pin contact EC series, 16A, 2.5mm ²
GMRC-PEC-3.0AU	Pin contact EC series, 16A, 3.0mm ²
GMRC-PEC-4.0AU	Pin contact EC series, 16A, 4.0mm ²

Socket contacts

GMRC-SEC-0.50AU	Socket contact EC series, 16A, 0.5mm ²
GMRC-SEC-0.75AU	Socket contact EC series, 16A, 0.75mm ²
GMRC-SEC-1.0AU	Socket contact EC series, 16A, 1.0mm ²
GMRC-SEC-1.5AU	Socket contact EC series, 16A, 1.5mm ²
GMRC-SEC-2.5AU	Socket contact EC series, 16A, 2.5mm ²
GMRC-SEC-3.0AU	Socket contact EC series, 16A, 3.0mm ²
GMRC-SEC-4.0AU	Socket contact EC series, 16A, 4.0mm ²



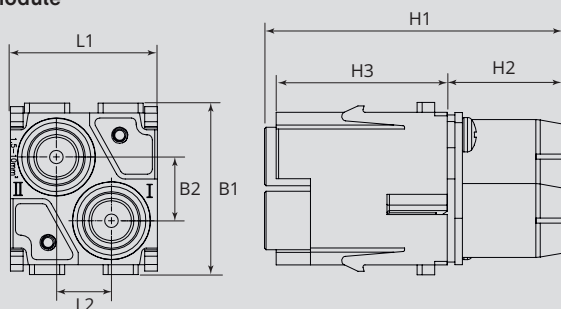
Technical characteristics

Number of slots	2
Number of contacts	2
Material contact insert	Polycarbonate (PC) / Polytetrafluoroethylene (PTFE)
Operating temperature insert [°C]	-40 - +125
Number of mating cycles (min.)	500
Rated current [A]	16
Operating voltage [V]	5000 / 2900
Test voltage DC [V]	15
Insulation resistance (Ω)	≥10 ¹⁰
Pollution degree	3

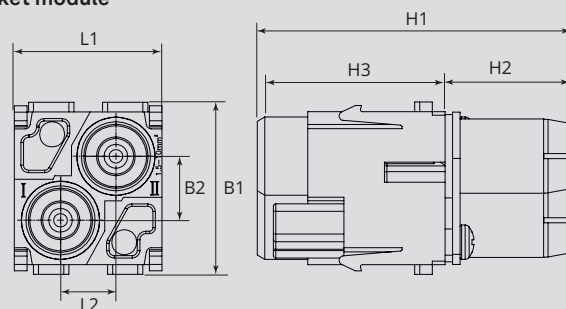
Standards

Basic standards	DIN EN 61984 DIN EN 60664
Fire protection class DIN EN 45545-2	R22/HL1,HL2 R23,24/HL1,HL2,HL3
Flammability rating UL 94	V0
RoHS-compliant	Compliant
REACH-compliant	SVHC substances, no

Pin module



Socket module



Item number	Contact type	L1 [mm]	B1 [mm]	B2 [mm]	Height [mm]	H2 [mm]	
GMRM-5000-16-2PEC-02	Pin	29.3	34.2	12.7	59.1	34	
GMRM-5000-16-2SEC-02	Socket	29.3	34.2	12.7	62	34	

Pin contacts



GMRC-PCC-1.5AG	Pin contact CC series, 40A, 1.5mm ²
GMRC-PCC-2.5AG	Pin contact CC series, 40A, 2.5mm ²
GMRC-PCC-4.0AG	Pin contact CC series, 40A, 4mm ²
GMRC-PCC-6.0AG	Pin contact CC series, 40A, 6mm ²
GMRC-PCC-10.0AG	Pin contact CC series, 40A, 10mm ²

Socket contacts



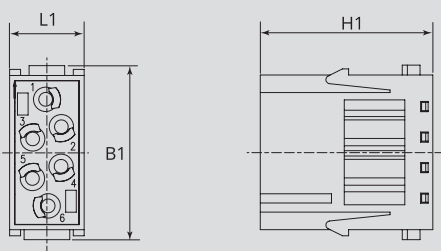
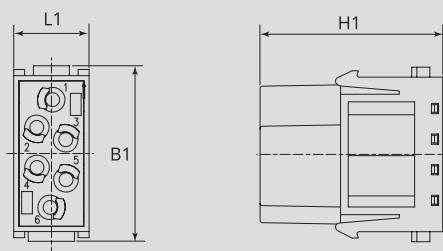
GMRC-SCC-1.5AG	Socket contact CC series, 40A, 1.5mm ²
GMRC-SCC-2.5AG	Socket contact CC series, 40A, 2.5mm ²
GMRC-SCC-4.0AG	Socket contact CC series, 40A, 4mm ²
GMRC-SCC-6.0AG	Socket contact CC series, 40A, 6mm ²
GMRC-SCC-10.0AG	Socket contact CC series, 40A, 10mm ²

**Technical characteristics**

Number of slots	1
Number of contacts	6
Material contact insert	Polycarbonate (PC)
Operating temperature insert [°C]	-40 - +125
Number of mating cycles (min.)	500
Rated current [A]	16
Operating voltage [V]	500
Test voltage DC [V]	6
Insulation resistance (Ω)	$\geq 10^{10}$
Pollution degree	3

Standards

Basic standards	DIN EN 61984 DIN EN 60664
Fire protection class DIN EN 45545-2	R22/HL1,HL2 R23,24/HL1,HL2,HL3
Flammability rating UL 94	V0
RoHS-compliant	Compliant
REACH-compliant	SVHC substances, no

Pin module**Socket module**

Item number	Contact type	L1 [mm]	B1 [mm]	Height [mm]
GMRM-500-16-6PEC-01	Pin	14.6	34.2	34
GMRM-500-16-6SEC-01	Socket	14.6	34.2	35.8

**Pin contacts**

GMRC-PEC-0.50AU	Pin contact EC series, 16A, 0.5mm ²
GMRC-PEC-0.75AU	Pin contact EC series, 16A, 0.75mm ²
GMRC-PEC-1.0AU	Pin contact EC series, 16A, 1.0mm ²
GMRC-PEC-1.5AU	Pin contact EC series, 16A, 1.5mm ²
GMRC-PEC-2.5AU	Pin contact EC series, 16A, 2.5mm ²
GMRC-PEC-3.0AU	Pin contact EC series, 16A, 3.0mm ²
GMRC-PEC-4.0AU	Pin contact EC series, 16A, 4.0mm ²

Socket contacts

GMRC-SEC-0.50AU	Socket contact EC series, 16A, 0.5mm ²
GMRC-SEC-0.75AU	Socket contact EC series, 16A, 0.75mm ²
GMRC-SEC-1.0AU	Socket contact EC series, 16A, 1.0mm ²
GMRC-SEC-1.5AU	Socket contact EC series, 16A, 1.5mm ²
GMRC-SEC-2.5AU	Socket contact EC series, 16A, 2.5mm ²
GMRC-SEC-3.0AU	Socket contact EC series, 16A, 3.0mm ²
GMRC-SEC-4.0AU	Socket contact EC series, 16A, 4.0mm ²



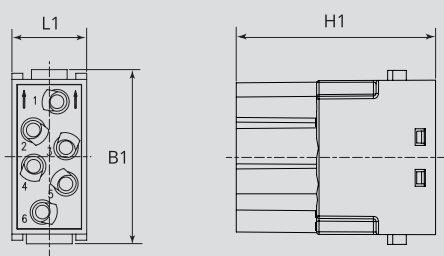
Technical characteristics

Number of slots	1
Number of contacts	6
Material contact insert	Polycarbonate (PC)
Operating temperature insert [°C]	-40 - +125
Number of mating cycles (min.)	500
Rated current [A]	16
Operating voltage [V]	830
Test voltage DC [V]	8
Insulation resistance (Ω)	$\geq 10^{10}$
Pollution degree	3

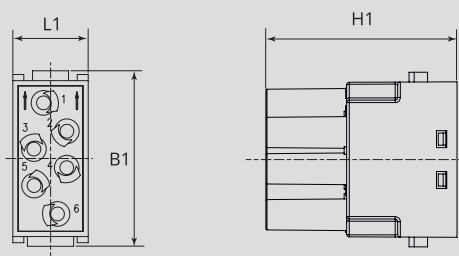
Standards

Basic standards	DIN EN 61984 DIN EN 60664
Fire protection class DIN EN 45545-2	R22/HL1,HL2 R23,24/HL1,HL2,HL3
Flammability rating UL 94	V0
RoHS-compliant	Compliant
REACH-compliant	SVHC substances, no

Pin module



Socket module



Item number	Contact type	L1 [mm]	B1 [mm]	Height [mm]	
GMRM-830-16-6PEC-01	Pin	14.6	34.2	39.4	
GMRM-830-16-6SEC-01	Socket	14.6	34.2	37.4	

Pin contacts



GMRC-PEC-0.50AU	Pin contact EC series, 16A, 0.5mm ²
GMRC-PEC-0.75AU	Pin contact EC series, 16A, 0.75mm ²
GMRC-PEC-1.0AU	Pin contact EC series, 16A, 1.0mm ²
GMRC-PEC-1.5AU	Pin contact EC series, 16A, 1.5mm ²
GMRC-PEC-2.5AU	Pin contact EC series, 16A, 2.5mm ²
GMRC-PEC-3.0AU	Pin contact EC series, 16A, 3.0mm ²
GMRC-PEC-4.0AU	Pin contact EC series, 16A, 4.0mm ²

Socket contacts



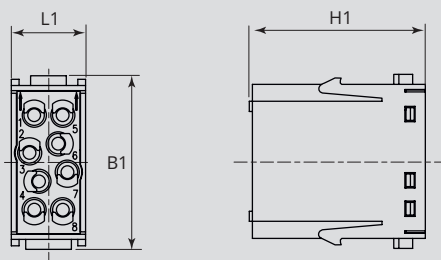
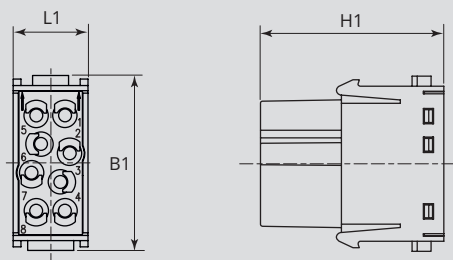
GMRC-SEC-0.50AU	Socket contact EC series, 16A, 0.5mm ²
GMRC-SEC-0.75AU	Socket contact EC series, 16A, 0.75mm ²
GMRC-SEC-1.0AU	Socket contact EC series, 16A, 1.0mm ²
GMRC-SEC-1.5AU	Socket contact EC series, 16A, 1.5mm ²
GMRC-SEC-2.5AU	Socket contact EC series, 16A, 2.5mm ²
GMRC-SEC-3.0AU	Socket contact EC series, 16A, 3.0mm ²
GMRC-SEC-4.0AU	Socket contact EC series, 16A, 4.0mm ²

**Technical characteristics**

Number of slots	1
Number of contacts	8
Material contact insert	Polycarbonate (PC)
Operating temperature insert [°C]	-40 - +125
Number of mating cycles (min.)	500
Rated current [A]	16
Operating voltage [V]	400
Test voltage DC [V]	6
Insulation resistance (Ω)	$\geq 10^{10}$
Pollution degree	3

Standards

Basic standards	DIN EN 61984 DIN EN 60664
Fire protection class DIN EN 45545-2	R22/HL1,HL2 R23,24/HL1,HL2,HL3
Flammability rating UL 94	V0
RoHS-compliant	Compliant
REACH-compliant	SVHC substances, no

Pin module**Socket module**

Item number	Contact type	L1 [mm]	B1 [mm]	Height [mm]	
GMRM-400-16-8PEC-01	Pin	14.6	34.2	34.8	
GMRM-400-16-8SEC-01	Socket	14.6	34.2	35.8	

Pin contacts

GMRC-PEC-0.50AU	Pin contact EC series, 16A, 0.5mm ²
GMRC-PEC-0.75AU	Pin contact EC series, 16A, 0.75mm ²
GMRC-PEC-1.0AU	Pin contact EC series, 16A, 1.0mm ²
GMRC-PEC-1.5AU	Pin contact EC series, 16A, 1.5mm ²
GMRC-PEC-2.5AU	Pin contact EC series, 16A, 2.5mm ²
GMRC-PEC-3.0AU	Pin contact EC series, 16A, 3.0mm ²
GMRC-PEC-4.0AU	Pin contact EC series, 16A, 4.0mm ²

Socket contacts

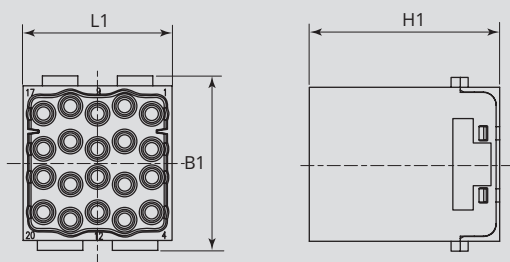
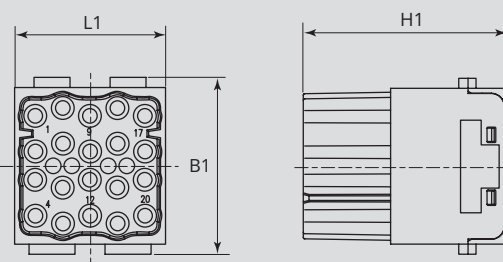
GMRC-SEC-0.50AU	Socket contact EC series, 16A, 0.5mm ²
GMRC-SEC-0.75AU	Socket contact EC series, 16A, 0.75mm ²
GMRC-SEC-1.0AU	Socket contact EC series, 16A, 1.0mm ²
GMRC-SEC-1.5AU	Socket contact EC series, 16A, 1.5mm ²
GMRC-SEC-2.5AU	Socket contact EC series, 16A, 2.5mm ²
GMRC-SEC-3.0AU	Socket contact EC series, 16A, 3.0mm ²
GMRC-SEC-4.0AU	Socket contact EC series, 16A, 4.0mm ²

**Technical characteristics**

Number of slots	2
Number of contacts	20
Material contact insert	Polycarbonate (PC)
Operating temperature insert [°C]	-40 - +125
Number of mating cycles (min.)	500
Rated current [A]	16
Operating voltage [V]	500
Test voltage DC [V]	6
Insulation resistance (Ω)	$\geq 10^{10}$
Pollution degree	3

Standards

Basic standards	DIN EN 61984 DIN EN 60664
Fire protection class DIN EN 45545-2	R22/HL1,HL2 R23,24/HL1,HL2,HL3
Flammability rating UL 94	V0
RoHS-compliant	Compliant
REACH-compliant	SVHC substances, no

Pin module**Socket module**

Item number	Contact type	L1 [mm]	B1 [mm]	Height [mm]	
GMRM-500-16-20PEC-02	Pin	29.2	34.2	37.5	
GMRM-500-16-20SEC-02	Socket	29.2	34.2	39.8	

Pin contacts

GMRC-PEC-0.50AU	Pin contact EC series, 16A, 0.5mm ²
GMRC-PEC-0.75AU	Pin contact EC series, 16A, 0.75mm ²
GMRC-PEC-1.0AU	Pin contact EC series, 16A, 1.0mm ²
GMRC-PEC-1.5AU	Pin contact EC series, 16A, 1.5mm ²
GMRC-PEC-2.5AU	Pin contact EC series, 16A, 2.5mm ²
GMRC-PEC-3.0AU	Pin contact EC series, 16A, 3.0mm ²
GMRC-PEC-4.0AU	Pin contact EC series, 16A, 4.0mm ²

Socket contacts

GMRC-SEC-0.50AU	Socket contact EC series, 16A, 0.5mm ²
GMRC-SEC-0.75AU	Socket contact EC series, 16A, 0.75mm ²
GMRC-SEC-1.0AU	Socket contact EC series, 16A, 1.0mm ²
GMRC-SEC-1.5AU	Socket contact EC series, 16A, 1.5mm ²
GMRC-SEC-2.5AU	Socket contact EC series, 16A, 2.5mm ²
GMRC-SEC-3.0AU	Socket contact EC series, 16A, 3.0mm ²
GMRC-SEC-4.0AU	Socket contact EC series, 16A, 4.0mm ²



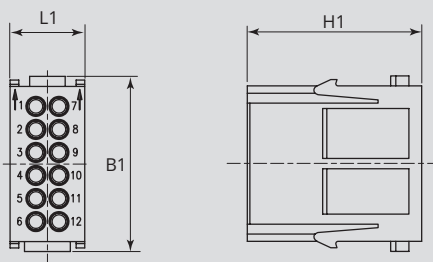
Technical characteristics

Number of slots	1
Number of contacts	12
Material contact insert	Polycarbonate (PC)
Operating temperature insert [°C]	-40 - +125
Number of mating cycles (min.)	500
Rated current [A]	10
Operating voltage [V]	250
Test voltage DC [V]	4
Insulation resistance (Ω)	$\geq 10^{10}$
Pollution degree	3

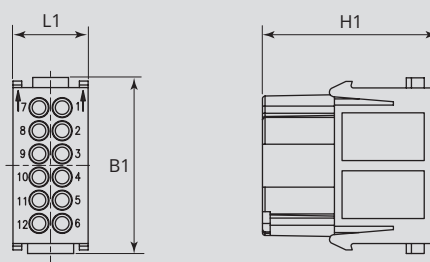
Standards

Basic standards	DIN EN 61984 DIN EN 60664
Fire protection class DIN EN 45545-2	R22/HL1,HL2 R23,24/HL1,HL2,HL3
Flammability rating UL 94	V0
RoHS-compliant	Compliant
REACH-compliant	SVHC substances, no

Pin module



Socket module



Item number	Contact type	L1 [mm]	B1 [mm]	Height [mm]	
GMRM-250-10-12PZC-01	Pin	14.6	34.2	34	
GMRM-250-10-12SZC-01	Socket	14.6	34.2	34	

Pin contacts



GMRC-PDC-0.25AU	Pin contact DC series, 10A, 0.25mm ²
GMRC-PZC-0.37AU	Pin contact ZC series, 10A, 0.37mm ²
GMRC-PZC-0.50AU	Pin contact ZC series, 10A, 0.5mm ²
GMRC-PZC-0.75AU	Pin contact ZC series, 10A, 0.75mm ²
GMRC-PZC-1.0AU	Pin contact ZC series, 10A, 1.0mm ²
GMRC-PZC-1.5AU	Pin contact ZC series, 10A, 1.5mm ²
GMRC-PZC-2.5AU	Pin contact ZC series, 10A, 2.5mm ²

Socket contacts



GMRC-SDC-0.25AU	Socket contact DC series, 10A, 0.25mm ²
GMRC-SZC-0.37AU	Socket contact ZC series, 10A, 0.37mm ²
GMRC-SZC-0.50AU	Socket contact ZC series, 10A, 0.5mm ²
GMRC-SZC-0.75AU	Socket contact ZC series, 10A, 0.75mm ²
GMRC-SZC-1.0AU	Socket contact ZC series, 10A, 1.0mm ²
GMRC-SZC-1.5AU	Socket contact ZC series, 10A, 1.5mm ²
GMRC-SZC-2.5AU	Socket contact ZC series, 10A, 2.5mm ²



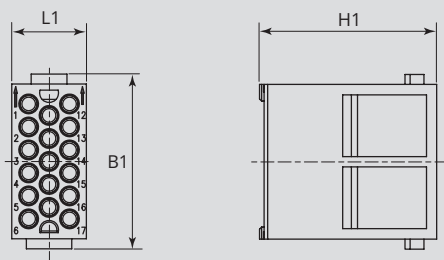
Technical characteristics

Number of slots	1
Number of contacts	17
Material contact insert	Polycarbonate (PC)
Operating temperature insert [°C]	-40 - +125
Number of mating cycles (min.)	500
Rated current [A]	10
Operating voltage [V]	160
Test voltage DC [V]	2.5
Insulation resistance (Ω)	$\geq 10^{10}$
Pollution degree	3

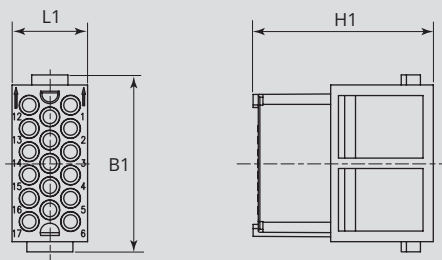
Standards

Basic standards	DIN EN 61984 DIN EN 60664
Fire protection class DIN EN 45545-2	R22/HL1,HL2 R23,24/HL1,HL2,HL3
Flammability rating UL 94	V0
RoHS-compliant	Compliant
REACH-compliant	SVHC substances, no

Pin module



Socket module



Item number	Contact type	L1 [mm]	B1 [mm]	Height [mm]
GMRM-160-10-17PZC-01	Pin	14.6	34.2	34.7
GMRM-160-10-17SZC-01	Socket	14.6	34.2	34.8



Pin contacts



GMRC-PDC-0.25AU	Pin contact DC series, 10A, 0.25mm ²
GMRC-PZC-0.37AU	Pin contact ZC series, 10A, 0.37mm ²
GMRC-PZC-0.50AU	Pin contact ZC series, 10A, 0.5mm ²
GMRC-PZC-0.75AU	Pin contact ZC series, 10A, 0.75mm ²
GMRC-PZC-1.0AU	Pin contact ZC series, 10A, 1.0mm ²
GMRC-PZC-1.5AU	Pin contact ZC series, 10A, 1.5mm ²
GMRC-PZC-2.5AU	Pin contact ZC series, 10A, 2.5mm ²

Socket contacts



GMRC-SDC-0.25AU	Socket contact DC series, 10A, 0.25mm ²
GMRC-SZC-0.37AU	Socket contact ZC series, 10A, 0.37mm ²
GMRC-SZC-0.50AU	Socket contact ZC series, 10A, 0.5mm ²
GMRC-SZC-0.75AU	Socket contact ZC series, 10A, 0.75mm ²
GMRC-SZC-1.0AU	Socket contact ZC series, 10A, 1.0mm ²
GMRC-SZC-1.5AU	Socket contact ZC series, 10A, 1.5mm ²
GMRC-SZC-2.5AU	Socket contact ZC series, 10A, 2.5mm ²



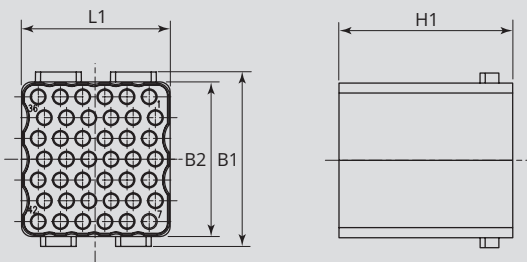
Technical characteristics

Number of slots	2
Number of contacts	42
Material contact insert	Polycarbonate (PC)
Operating temperature insert [°C]	-40 - +125
Number of mating cycles (min.)	500
Rated current [A]	10
Operating voltage [V]	150
Test voltage DC [V]	2.5
Insulation resistance (Ω)	$\geq 10^{10}$
Pollution degree	3

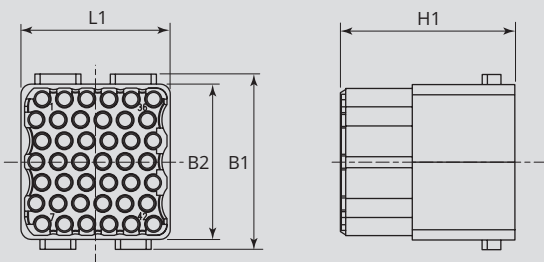
Standards

Basic standards	DIN EN 61984 DIN EN 60664
Fire protection class DIN EN 45545-2	R22/HL1,HL2 R23,24/HL1,HL2,HL3
Flammability rating UL 94	V0
RoHS-compliant	Compliant
REACH-compliant	SVHC substances, no

Pin module



Socket module



Item number	Contact type	L1 [mm]	B1 [mm]	B2 [mm]	Height [mm]
GMRM-150-10-42PZC-02	Pin	29.4	34.2	30.3	34
GMRM-150-10-42SZC-02	Socket	29.4	34.2	30.3	34



Pin contacts



GMRC-PDC-0.25AU	Pin contact DC series, 10A, 0.25mm ²
GMRC-PZC-0.37AU	Pin contact ZC series, 10A, 0.37mm ²
GMRC-PZC-0.50AU	Pin contact ZC series, 10A, 0.5mm ²
GMRC-PZC-0.75AU	Pin contact ZC series, 10A, 0.75mm ²
GMRC-PZC-1.0AU	Pin contact ZC series, 10A, 1.0mm ²
GMRC-PZC-1.5AU	Pin contact ZC series, 10A, 1.5mm ²
GMRC-PZC-2.5AU	Pin contact ZC series, 10A, 2.5mm ²

Socket contacts



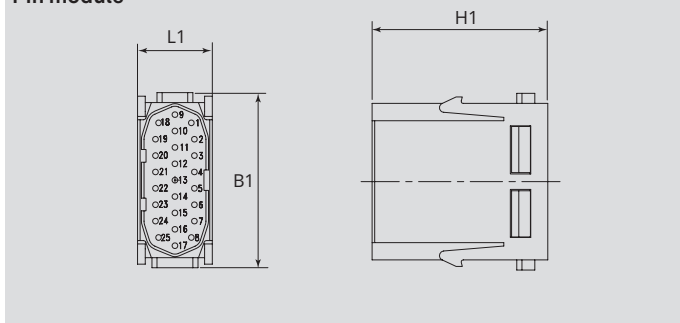
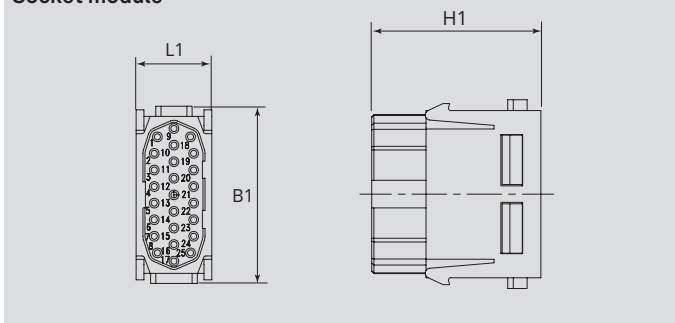
GMRC-SDC-0.25AU	Socket contact DC series, 10A, 0.25mm ²
GMRC-SZC-0.37AU	Socket contact ZC series, 10A, 0.37mm ²
GMRC-SZC-0.50AU	Socket contact ZC series, 10A, 0.5mm ²
GMRC-SZC-0.75AU	Socket contact ZC series, 10A, 0.75mm ²
GMRC-SZC-1.0AU	Socket contact ZC series, 10A, 1.0mm ²
GMRC-SZC-1.5AU	Socket contact ZC series, 10A, 1.5mm ²
GMRC-SZC-2.5AU	Socket contact ZC series, 10A, 2.5mm ²

**Technical characteristics**

Number of slots	1
Number of contacts	25
Material contact insert	Polycarbonate (PC)
Operating temperature insert [°C]	-40 - +125
Number of mating cycles (min.)	500
Rated current [A]	4
Operating voltage [V]	50
Test voltage DC [V]	0.8
Insulation resistance (Ω)	$\geq 10^{10}$
Pollution degree	3

Standards

Basic standards	DIN EN 61984 DIN EN 60664
Fire protection class DIN EN 45545-2	R22/HL1,HL2 R23,24/HL1,HL2,HL3
Flammability rating UL 94	V0
RoHS-compliant	Compliant
REACH-compliant	SVHC substances, no

Pin module**Socket module**

Item number	Contact type	L1 [mm]	B1 [mm]	Height [mm]
GMRM-50-4-25PSC-01	Pin	14.6	34.0	34.2
GMRM-50-4-25SSC-01	Socket	14.6	30.7	34.2

**Pin contacts**

GMRC-PSC-0.25AU	Pin contact SC series, 5A, 0.25mm ²
GMRC-PSC-0.33AU	Pin contact SC series, 5A, 0.33mm ²
GMRC-PSC-0.52AU	Pin contact SC series, 5A, 0.52mm ²

Socket contacts

GMRC-SSC-0.25AU	Socket contact SC series, 5A, 0.25mm ²
GMRC-SSC-0.33AU	Socket contact SC series, 5A, 0.33mm ²
GMRC-SSC-0.52AU	Socket contact SC series, 5A, 0.52mm ²



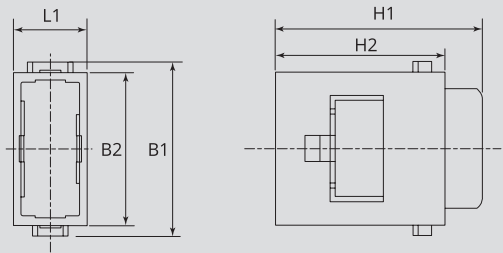
Technical characteristics

Number of slots	1
Material contact insert	Polycarbonate (PC)
Operating temperature insert [°C]	-40 - +85
Insulation resistance (Ω)	$\geq 10^{10}$

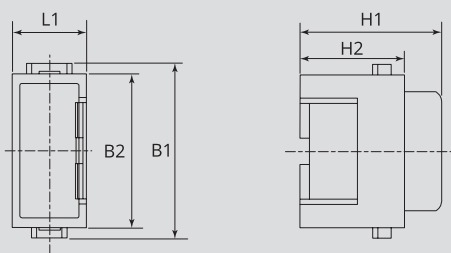
Standards

Fire protection class DIN EN 45545-2	R22/HL1,HL2 R23,24/HL1,HL2,HL3
Flammability rating UL 94	V0
RoHS-compliant	Compliant
REACH-compliant	SVHC substances , non

For modules with pin contacts



For modules with socket contacts



Item number	L1 [mm]	B1 [mm]	B2 [mm]	Height [mm]	H2 [mm]	
GMRM-AMG-8P-01	14.6	34.4	30.3	40.9	33.5	
GMRM-AMG-8S-01	14.6	34.4	30.3	28.1	20.7	

**Technical characteristics**

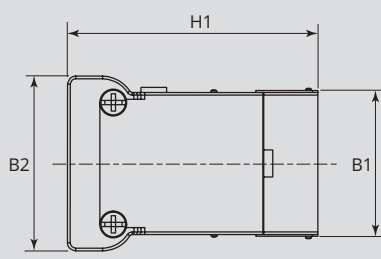
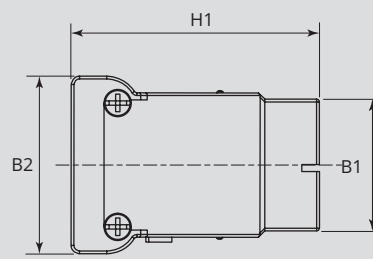
Number of slots	1
Number of contacts	8 (2 x 4)
Material contact insert	Polycarbonate (PC)
Shell material	Zinc cast
Surface	Passivated
Operating temperature insert [°C]	-40 - +85
Number of mating cycles (min.)	500
Clamping range [mm]	5 - 12
Rated current [A]	10
Operating voltage [V]	50
Test voltage DC [V]	0.8

Technical characteristics

Insulation resistance (Ω)	≤ 0.004
Pollution degree	3

Standards

Basic standards	DIN EN 61984 DIN EN 60664
Fire protection class DIN EN 45545-2	R22/HL1,HL2 R23,24/HL1,HL2,HL3
Flammability rating UL 94	V0
RoHS-compliant	Compliant acc. to 2015/863/ EU (RoHS II), Annex II
REACH-compliant	SVHC substances, yes - Lead

Pin module**Socket module**

Item number	Contact type	L1 [mm]	B1 [mm]	B2 [mm]	Height [mm]
GMRM-MB-8PZC-AMG	Pin	13.9	27.1	32.4	46.4
GMRM-MB-8SZC-AMG	Socket	13.9	24.1	32.4	45.3

**Pin contacts**

GMRC-PDC-0.25AU	Pin contact DC series, 10A, 0.25mm ²
GMRC-PZC-0.37AU	Pin contact ZC series, 10A, 0.37mm ²
GMRC-PZC-0.50AU	Pin contact ZC series, 10A, 0.5mm ²
GMRC-PZC-0.75AU	Pin contact ZC series, 10A, 0.75mm ²
GMRC-PZC-1.0AU	Pin contact ZC series, 10A, 1.0mm ²
GMRC-PZC-1.5AU	Pin contact ZC series, 10A, 1.5mm ²
GMRC-PZC-2.5AU	Pin contact ZC series, 10A, 2.5mm ²

Socket contacts

GMRC-SDC-0.25AU	Socket contact DC series, 10A, 0.25mm ²
GMRC-SZC-0.37AU	Socket contact ZC series, 10A, 0.37mm ²
GMRC-SZC-0.50AU	Socket contact ZC series, 10A, 0.5mm ²
GMRC-SZC-0.75AU	Socket contact ZC series, 10A, 0.75mm ²
GMRC-SZC-1.0AU	Socket contact ZC series, 10A, 1.0mm ²
GMRC-SZC-1.5AU	Socket contact ZC series, 10A, 1.5mm ²
GMRC-SZC-2.5AU	Socket contact ZC series, 10A, 2.5mm ²

Don't forget to order the correct adapter (GMRM-AMG-8P-01) and, if required, the appropriate cable holders.

**Technical characteristics**

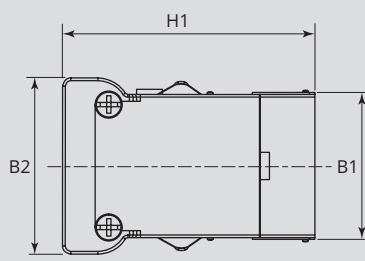
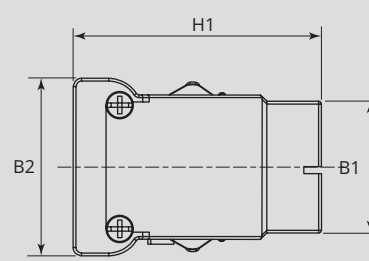
Number of slots	1
Number of contacts	8 (2 x 4)
Material contact insert	Polycarbonate (PC)
Shell material	Zinc cast
Surface	Passivated
Operating temperature insert [°C]	-40 - +85
Number of mating cycles (min.)	500
Clamping range [mm]	5 - 12
Rated current [A]	10
Operating voltage [V]	50
Test voltage DC [V]	0.8

Technical characteristics

Insulation resistance (Ω)	≤ 0.004
Pollution degree	3

Standards

Basic standards	DIN EN 61984 DIN EN 60664
Fire protection class DIN EN 45545-2	R22/HL1,HL2 R23,24/HL1,HL2,HL3
Flammability rating UL 94	V0
RoHS-compliant	Compliant acc. to 2015/863/ EU (RoHS II), Annex II
REACH-compliant	SVHC substances, yes - Lead

Pin module**Socket module**

Item number	Contact type	L1 [mm]	B1 [mm]	B2 [mm]	Height [mm]
GMRM-MBE-8PZC-AMG	Pin	13.9	27.1	32.4	46.4
GMRM-MBE-8SZC-AMG	Socket	13.9	24.1	32.4	45.3

**Pin contacts**

GMRC-PDC-0.25AU	Pin contact DC series, 10A, 0.25mm ²
GMRC-PZC-0.37AU	Pin contact ZC series, 10A, 0.37mm ²
GMRC-PZC-0.50AU	Pin contact ZC series, 10A, 0.5mm ²
GMRC-PZC-0.75AU	Pin contact ZC series, 10A, 0.75mm ²
GMRC-PZC-1.0AU	Pin contact ZC series, 10A, 1.0mm ²
GMRC-PZC-1.5AU	Pin contact ZC series, 10A, 1.5mm ²
GMRC-PZC-2.5AU	Pin contact ZC series, 10A, 2.5mm ²

Socket contacts

GMRC-SDC-0.25AU	Socket contact DC series, 10A, 0.25mm ²
GMRC-SZC-0.37AU	Socket contact ZC series, 10A, 0.37mm ²
GMRC-SZC-0.50AU	Socket contact ZC series, 10A, 0.5mm ²
GMRC-SZC-0.75AU	Socket contact ZC series, 10A, 0.75mm ²
GMRC-SZC-1.0AU	Socket contact ZC series, 10A, 1.0mm ²
GMRC-SZC-1.5AU	Socket contact ZC series, 10A, 1.5mm ²
GMRC-SZC-2.5AU	Socket contact ZC series, 10A, 2.5mm ²

Don't forget to order the correct adapter (GMRM-AMG-8P-01) and, if required, the appropriate cable holders.



Technical characteristics

Number of slots	1
Number of contacts	8 (4 x 2)
Material contact insert	Polycarbonate (PC)
Shell material	Zinc cast
Surface	Passivated
Operating temperature insert [°C]	-40 - +85
Number of mating cycles (min.)	500
Clamping range [mm]	5 - 12
Rated current [A]	5
Operating voltage [V]	50
Test voltage DC [V]	0.8

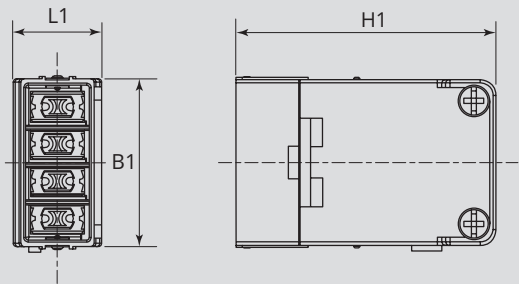
Technical characteristics

Insulation resistance (Ω)	≤ 0.004
Pollution degree	3

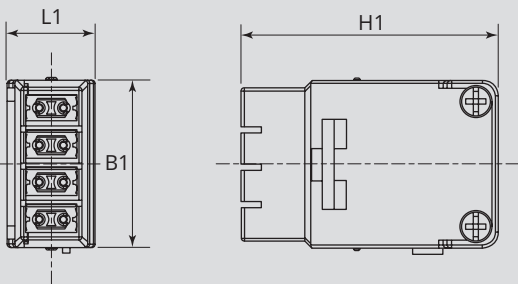
Standards

Basic standards	DIN EN 61984 DIN EN 60664
Fire protection class DIN EN 45545-2	R22/HL1,HL2 R23,24/HL1,HL2,HL3
Flammability rating UL 94	V0
RoHS-compliant	Compliant acc. to 2015/863/ EU (RoHS II), Annex II
REACH-compliant	SVHC substances, yes - Lead

Pin module



Socket module



Item number	Contact type	L1 [mm]	B1 [mm]	Height [mm]	
GMRM-GB-8PSC-AMG	Pin	13.9	26.4	41.4	
GMRM-GB-8SSC-AMG	Socket	13.9	27.6	40.3	

Pin contacts



GMRC-PSC-0.25AU	Pin contact SC series, 5A, 0.25mm ²
GMRC-PSC-0.33AU	Pin contact SC series, 5A, 0.33mm ²
GMRC-PSC-0.52AU	Pin contact SC series, 5A, 0.52mm ²

Socket contacts



GMRC-SSC-0.25AU	Socket contact SC series, 5A, 0.25mm ²
GMRC-SSC-0.33AU	Socket contact SC series, 5A, 0.33mm ²
GMRC-SSC-0.52AU	Socket contact SC series, 5A, 0.52mm ²

Don't forget to order the correct adapter (GMRM-AMG-8P-01) and, if required, the appropriate cable holders.

**Technical characteristics**

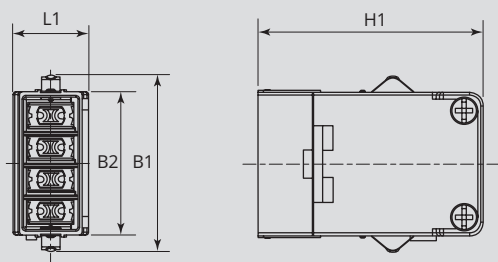
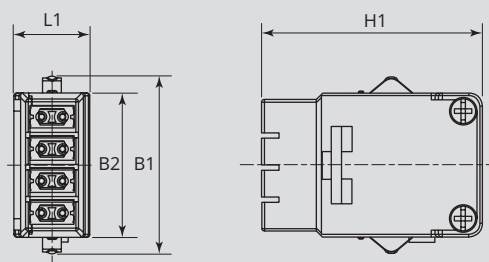
Number of slots	1
Number of contacts	8 (4 x 2)
Material contact insert	Polycarbonate (PC)
Shell material	Zinc cast
Surface	Passivated
Operating temperature insert [°C]	-40 - +85
Number of mating cycles (min.)	500
Clamping range [mm]	5 - 12
Rated current [A]	5
Operating voltage [V]	50
Test voltage DC [V]	0.8

Technical characteristics

Insulation resistance (Ω)	≤ 0.004
Pollution degree	3

Standards

Basic standards	DIN EN 61984 DIN EN 60664
Fire protection class DIN EN 45545-2	R22/HL1,HL2 R23,24/HL1,HL2,HL3
Flammability rating UL 94	V0
RoHS-compliant	Compliant acc. to 2015/863/ EU (RoHS II), Annex II
REACH-compliant	SVHC substances, yes - Lead

Pin module**Socket module**

Item number	Contact type	L1 [mm]	B1 [mm]	B2 [mm]	Height [mm]	
GMRM-GBE-8PSC-AMG	Pin	13.9	33.0	26.4	41.4	
GMRM-GBE-8SSC-AMG	Socket	13.9	33.0	27.6	40.3	

Pin contacts

GMRC-PSC-0.25AU	Pin contact SC series, 5A, 0.25mm ²
GMRC-PSC-0.33AU	Pin contact SC series, 5A, 0.33mm ²
GMRC-PSC-0.52AU	Pin contact SC series, 5A, 0.52mm ²

Socket contacts

GMRC-SSC-0.25AU	Socket contact SC series, 5A, 0.25mm ²
GMRC-SSC-0.33AU	Socket contact SC series, 5A, 0.33mm ²
GMRC-SSC-0.52AU	Socket contact SC series, 5A, 0.52mm ²

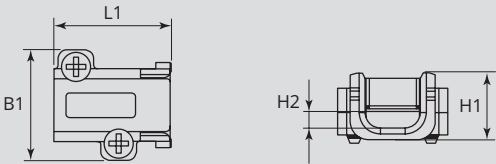
Don't forget to order the correct adapter (GMRM-AMG-8P-01) and, if required, the appropriate cable holders.



Technical characteristics	
Shell material	Zinc cast
Operating temperature [°C]	-40 - +85
Standards	
RoHS-compliant	Compliant according to 2015/863/EU (RoHS II), Annex II

Standards	
REACH-compliant	SVHC substances, yes - Lead

Clamp

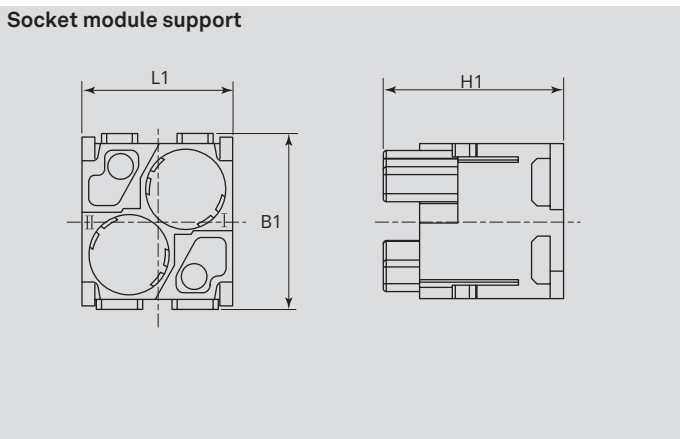
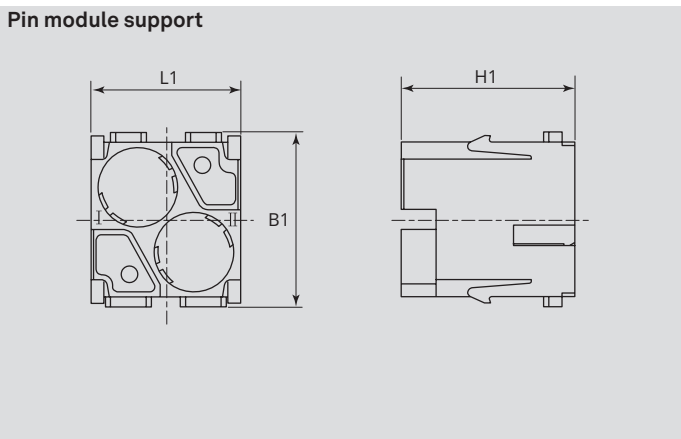


Item number	Cable diameter [mm]	L1 [mm]	B1 [mm]	Height [mm]	H2 [mm]	
GMRA-CC-MG-5-7	5.0 - 7.0	19.2	18.1	10.9	2.6	
GMRA-CC-MG-7-10	7.0 - 10.0	19.2	18.1	10.9	5.1	
GMRA-CC-MG-9-11	9.0 - 11.0	19.0	20.1	11	7.6	
GMRA-CC-MG-10-12	10.0 - 12.0	19.2	18.1	10.9	7.1	



Technical characteristics	
Number of slots	2
Number of contacts	2 Module
Material contact insert	Polycarbonate (PC)
Operating temperature insert [°C]	-40 - +125
Number of mating cycles (min.)	500
Insulation resistance (Ω)	≥10

Standards	
Basic standards	DIN EN 61984 DIN EN 60664
Fire protection class DIN EN 45545-2	R22/HL1,HL2 R23,24/HL1,HL2,HL3
Flammability rating UL 94	V0
RoHS-compliant	Compliant
REACH-compliant	SVHC substances, no



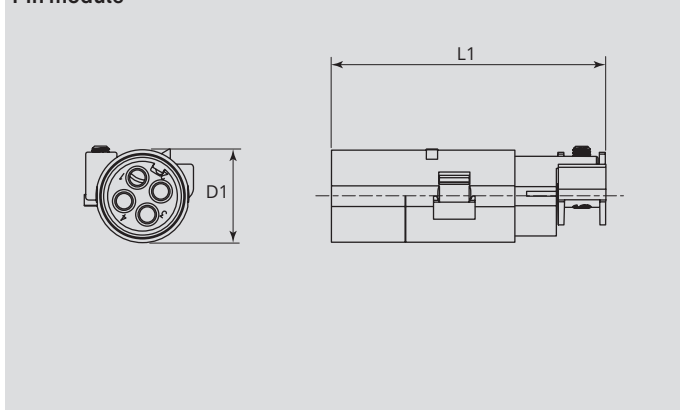
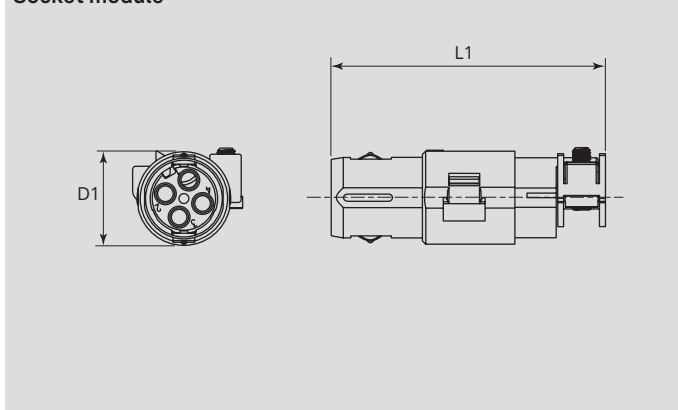
Item number	Contact type	L1 [mm]	B1 [mm]	Height [mm]	
GMRM-AQC-2P-02	Q-CoaX pin module	29.3	34.2	34	
GMRM-AQC-2S-02	Q-CoaX socket module	29.3	34.2	34	

**Technical characteristics**

Number of contacts	4 + SH
Material contact insert	Polycarbonate (PC)
Shell material	Zinc cast
Surface	Electroless nickel
Operating temperature insert [°C]	-40 - +85
Number of mating cycles (min.)	500
Rated current [A]	10
Operating voltage [V]	50
Test voltage DC [V]	0.8
Pollution degree	3

Standards

Basic standards	DIN EN 61984 DIN EN 60664
Fire protection class DIN EN 45545-2	R22/HL1,HL2 R23,24/HL1,HL2,HL3
RoHS-compliant	Compliant acc. to 2015/863/ EU (RoHS II), Annex II
REACH-compliant	SVHC substances, yes - Lead

Pin module**Socket module**

Item number	Cable diameter [mm]	Contact type	D1 Ø [mm]	L1 [mm]
GMRM-50-10-4PZC-AQC	3 - 9.5	Pin	15.5	46.2
GMRM-50-10-4SZC-AQC	3 - 9.5	Socket	15.5	45.9

**Pin contacts**

GMRC-PDC-0.25AU	Pin contact DC series, 10A, 0.25mm ²
GMRC-PZC-0.37AU	Pin contact ZC series, 10A, 0.37mm ²
GMRC-PZC-0.50AU	Pin contact ZC series, 10A, 0.5mm ²
GMRC-PZC-0.75AU	Pin contact ZC series, 10A, 0.75mm ²
GMRC-PZC-1.0AU	Pin contact ZC series, 10A, 1.0mm ²
GMRC-PZC-1.5AU	Pin contact ZC series, 10A, 1.5mm ²
GMRC-PZC-2.5AU	Pin contact ZC series, 10A, 2.5mm ²

Socket contacts

GMRC-SDC-0.25AU	Socket contact DC series, 10A, 0.25mm ²
GMRC-SZC-0.37AU	Socket contact ZC series, 10A, 0.37mm ²
GMRC-SZC-0.50AU	Socket contact ZC series, 10A, 0.5mm ²
GMRC-SZC-0.75AU	Socket contact ZC series, 10A, 0.75mm ²
GMRC-SZC-1.0AU	Socket contact ZC series, 10A, 1.0mm ²
GMRC-SZC-1.5AU	Socket contact ZC series, 10A, 1.5mm ²
GMRC-SZC-2.5AU	Socket contact ZC series, 10A, 2.5mm ²



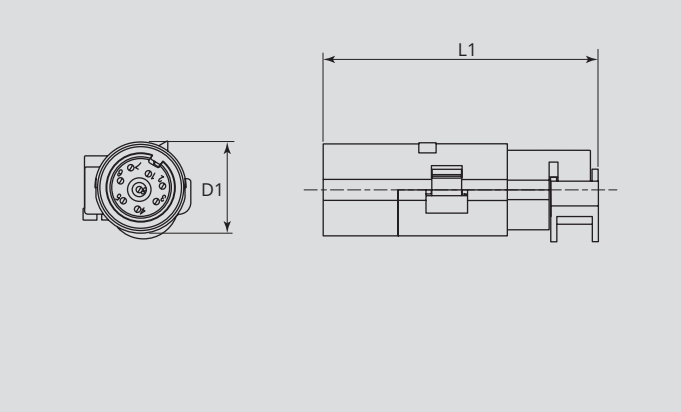
Technical characteristics

Number of contacts	8 + SH
Material contact insert	Polycarbonate (PC)
Shell material	Zinc cast
Surface	Electroless nickel
Operating temperature insert [°C]	-40 - +85
Number of mating cycles (min.)	500
Rated current [A]	5
Operating voltage [V]	50
Test voltage DC [V]	0.8
Pollution degree	3

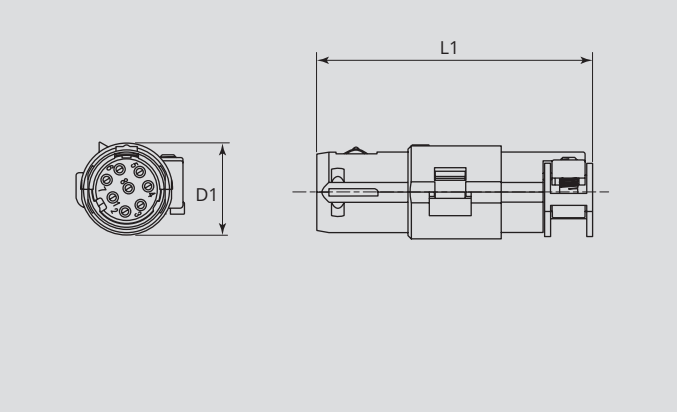
Standards

Basic standards	DIN EN 61984 DIN EN 60664
Fire protection class DIN EN 45545-2	R22/HL1,HL2 R23,24/HL1,HL2,HL3
RoHS-compliant	Compliant acc. to 2015/863/ EU (RoHS II), Annex II
REACH-compliant	SVHC substances, yes - Lead

Pin module



Socket module



Item number	Cable diameter [mm]	Contact type	D1 Ø [mm]	L1 [mm]	
GMRM-50-5-8PSC-AQC	3 - 9.5	Pin	15.5	46.2	
GMRM-50-5-8SSC-AQC	3 - 9.5	Socket	15.5	45.9	

Pin contacts



GMRC-PSC-0.25AU	Pin contact SC series, 5A, 0.25mm ²
GMRC-PSC-0.33AU	Pin contact SC series, 5A, 0.33mm ²
GMRC-PSC-0.52AU	Pin contact SC series, 5A, 0.52mm ²

Socket contacts



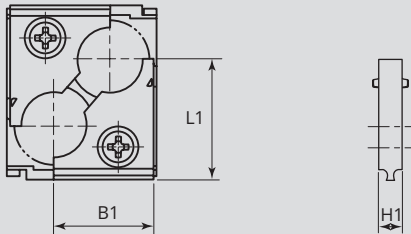
GMRC-SSC-0.25AU	Socket contact SC series, 5A, 0.25mm ²
GMRC-SSC-0.33AU	Socket contact SC series, 5A, 0.33mm ²
GMRC-SSC-0.52AU	Socket contact SC series, 5A, 0.52mm ²



Technical characteristics	
Shell material	Zinc cast
Operating temperature [°C]	-40 - +85
Standards	
RoHS-compliant	Compliant according to 2015/863/EU (RoHS II), Annex II

Standards	
REACH-compliant	SVHC substances, yes - Lead

Clamp



Item number	L1 [mm]	B1 [mm]	Height [mm]
GMRA-SA-AQC	23.6	19.6	4.6





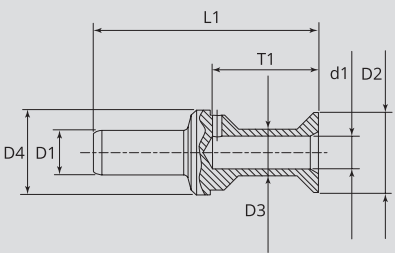
Technical characteristics

Contact type	Pin
Connection type	Crimp
Rated current (continuous) [A]	200
Contact Material	CU alloy
Coating	Silver

Standards

RoHS-compliant	Compliant with exception 6c (copper alloy ≤ 4% lead)
REACH-compliant	SVHC substances, yes - Lead

Pin contact



Item number	Wire section [mm²]	Stripping length [mm]	L1 [mm]	T1 [mm]	D1 Ø [mm]	D2 Ø [mm]	D3 Ø [mm]	D4 Ø [mm]	d1 Ø [mm]	
GMRC-PHC-25AG	25	22.5	47.7	22.5	9.5	17.0	10.0	18.0	7.0	
GMRC-PHC-35AG	35	22.5	47.7	22.5	9.5	17.0	12.5	18.0	8.2	
GMRC-PHC-50AG	50	22.5	47.7	22.5	9.5	17.0	14.5	18.0	10.0	
GMRC-PHC-70AG	70	22.5	47.7	22.5	9.5	17.0	16.5	18.0	11.5	



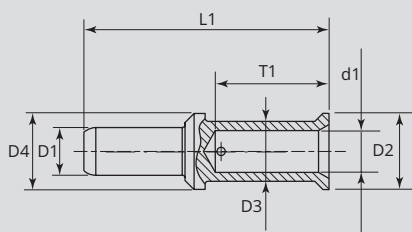
Technical characteristics

Contact type	Pin
Connection type	Crimp
Rated current (continuous) [A]	100
Contact Material	CU alloy
Coating	Silver

Standards

RoHS-compliant	Compliant with exception 6c (copper alloy ≤ 4% lead)
REACH-compliant	SVHC substances, yes - Lead

Pin contact



Item number	Wire section [mm²]	Stripping length [mm]	L1 [mm]	T1 [mm]	D1 Ø [mm]	D2 Ø [mm]	D3 Ø [mm]	D4 Ø [mm]	d1 Ø [mm]	
GMRC-PKC-10AG	10	19	40.5	19.0	8	12.7	5.6	12.7	4.3	
GMRC-PKC-16AG	16	19	41.5	19.5	8	12.7	8.5	12.7	5.5	
GMRC-PKC-25AG	25	19	41.0	19.0	8	12.7	10.0	12.7	7.0	
GMRC-PKC-35AG	35	16	40.5	16.0	8	12.5	10	12.7	8.2	



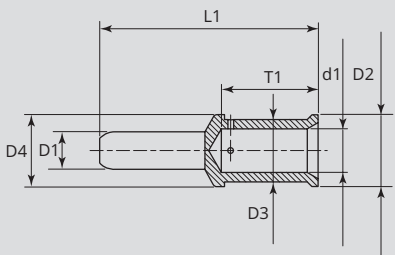
Technical characteristics

Contact type	Pin
Connection type	Crimp
Rated current (continuous) [A]	70
Contact Material	CU alloy
Coating	Silver

Standards

RoHS-compliant	Compliant with exception 6c (copper alloy ≤ 4% lead)
REACH-compliant	SVHC substances, yes - Lead

Pin contact



Item number	Wire section [mm ²]	Stripping length [mm]	L1 [mm]	T1 [mm]	D1 Ø [mm]	D2 Ø [mm]	D3 Ø [mm]	D4 Ø [mm]	d1 Ø [mm]	
GMRC-PK70C-6AG	6	15.5	35.0	15.5	6	11.5	5.0	11.5	3.5	
GMRC-PK70C-10AG	10	15.5	35.0	15.5	6	11.5	5.6	11.5	4.3	
GMRC-PK70C-16AG	16	15.5	35.0	15.5	6	11.5	8.5	11.5	5.5	
GMRC-PK70C-25AG	25	15	35.0	15.5	6	11.5	10.0	11.5	7.0	



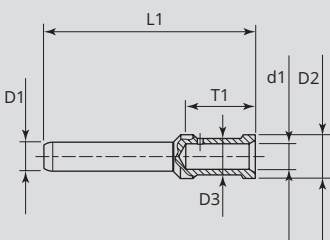
Technical characteristics

Contact type	Pin
Connection type	Crimp
Rated current (continuous) [A]	40
Contact Material	CU alloy
Coating	Silver

Standards

RoHS-compliant	Compliant with exception 6c (copper alloy ≤ 4% lead)
REACH-compliant	SVHC substances, yes - Lead

Pin contact



Item number	Wire section [mm²]	Wire section [AWG]	Stripping length [mm]	L1 [mm]	T1 [mm]	D1 Ø [mm]	D2 Ø [mm]	D3 Ø [mm]	d1 Ø [mm]	
GMRC-PCC-1.5AG	1.5	16	9	29.1	9.6	4	6.0	3.0	1.75	
GMRC-PCC-2.5AG	2.5	14	9	29.1	9.6	4	6.0	3.5	2.25	
GMRC-PCC-4.0AG	4	12	9.6	29.1	9.6	4	6.0	3.9	2.85	
GMRC-PCC-6.0AG	6	10	9.6	29.1	9.6	4	6.0	5.0	3.5	
GMRC-PCC-10.0AG	10	8	15	29.1	9.6	4	6.0	5.6	4.3	



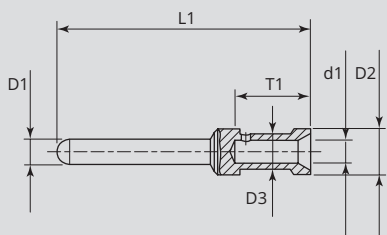
Technical characteristics

Contact type	Pin
Connection type	Crimp
Rated current (continuous) [A]	16
Contact Material	CU alloy
Coating	Gold

Standards

RoHS-compliant	Compliant with exception 6c (copper alloy ≤ 4% lead)
REACH-compliant	SVHC substances, yes - Lead

Pin contact



Item number	Wire section [mm²]	Wire section [AWG]	Stripping length [mm]	L1 [mm]	T1 [mm]	D1 Ø [mm]	D2 Ø [mm]	D3 Ø [mm]	d1 Ø [mm]	
GMRC-PEC-0.50AU	0.5	20	7.5	25.0	7.5	2.5	4.5	2.6	1.15	
GMRC-PEC-0.75AU	0.75	18	7.5	25.0	7.5	2.5	4.5	2.6	1.3	
GMRC-PEC-1.0AU	1	18	7.5	25.0	7.5	2.5	4.5	2.6	1.45	
GMRC-PEC-1.5AU	1.5	16	7.5	25.0	7.5	2.5	4.5	3.0	1.75	
GMRC-PEC-2.5AU	2.5	14	7.5	25.0	7.5	2.5	4.5	3.5	2.25	
GMRC-PEC-3.0AU	3	12	7.5	25.0	7.5	2.5	4.5	3.7	2.55	
GMRC-PEC-4.0AU	4	12	7.5	25.0	7.5	2.5	4.5	3.9	2.85	



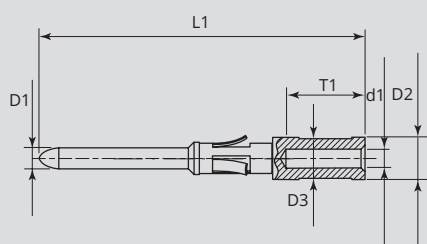
Technical characteristics

Contact type	Pin
Connection type	Crimp
Rated current (continuous) [A]	10
Contact Material	CU alloy
Coating	Gold

Standards

RoHS-compliant	Compliant with exception 6c (copper alloy ≤ 4% lead)
REACH-compliant	SVHC substances, yes - Lead

Pin contact



Item number	Wire section [mm ²]	Wire section [AWG]	Stripping length [mm]	L1 [mm]	T1 [mm]	D1 Ø [mm]	D2 Ø [mm]	D3 Ø [mm]	d1 Ø [mm]	
GMRC-PZC-0.37AU	0.14 - 0.37	26 - 22	6	24.7	6.0	1.6	3.2	2.6	0.9	
GMRC-PZC-0.50AU	0.5	20	6	24.7	6.0	1.6	3.2	2.6	1.1	
GMRC-PZC-0.75AU	0.75	18	6	24.7	6.0	1.6	3.2	2.6	1.3	
GMRC-PZC-1.0AU	1	18	6	24.7	6.0	1.6	3.2	2.6	1.45	
GMRC-PZC-1.5AU	1.5	16	6	24.7	6.0	1.6	3.2	3.0	1.75	
GMRC-PZC-2.5AU	2.5	14	6	24.7	6.0	1.6	3.2	3.2	2.25	



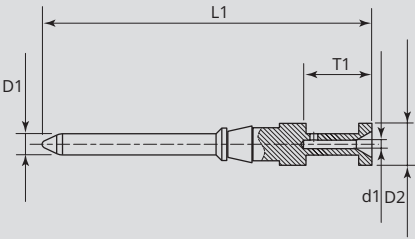
Technical characteristics

Contact type	Pin
Connection type	Crimp
Rated current (continuous) [A]	10
Contact Material	CU alloy
Coating	Gold

Standards

RoHS-compliant	Compliant with exception 6c (copper alloy ≤ 4% lead)
REACH-compliant	SVHC substances, yes - Lead

Pin contact



Item number	Wire section [mm²]	Wire section [AWG]	Stripping length [mm]	L1 [mm]	T1 [mm]	D1 Ø [mm]	D2 Ø [mm]	d1 Ø [mm]
GMRC-PDC-0.25AU	0.09 - 0.25	28 - 24	5	25.0	5.2	1.58	3.2	0.65





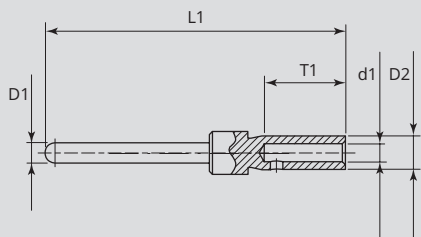
Technical characteristics

Contact type	Pin
Connection type	Crimp
Rated current (continuous) [A]	5
Contact Material	CU alloy
Coating	Gold

Standards

RoHS-compliant	Compliant with exception 6c (copper alloy ≤ 4% lead)
REACH-compliant	SVHC substances, yes - Lead

Pin contact



Item number	Wire section [mm²]	Wire section [AWG]	Stripping length [mm]	L1 [mm]	T1 [mm]	D1 Ø [mm]	D2 Ø [mm]	d1 Ø [mm]	
GMRC-PSC-0.25AU	0.09 - 0.25	28 - 24	5	14.8	4.0	1	1.66	0.64	
GMRC-PSC-0.33AU	0.25 - 0.33	26 - 22	5	14.8	4.0	1	1.66	0.9	
GMRC-PSC-0.52AU	0.33 - 0.52	22 - 20	5	14.8	4.0	1	1.66	1.12	



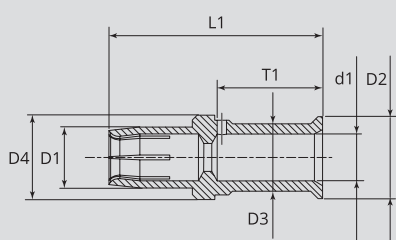
Technical characteristics

Contact type	Socket
Connection type	Crimp
Rated current (continuous) [A]	200
Contact Material	CU alloy
Coating	Silver

Standards

RoHS-compliant	Compliant with exception 6c (copper alloy ≤ 4% lead)
REACH-compliant	SVHC substances, yes - Lead

Socket contact



Item number	Wire section [mm ²]	Stripping length [mm]	L1 [mm]	T1 [mm]	D1 Ø [mm]	D2 Ø [mm]	D3 Ø [mm]	D4 Ø [mm]	d1 Ø [mm]	
GMRC-SHC-25AG	25	22.5	45.6	22.5	13	17.5	10.0	18.0	7.0	
GMRC-SHC-35AG	35	22.5	45.6	22.5	13	17.5	12.5	18.0	8.2	
GMRC-SHC-50AG	50	22.5	45.6	22.5	13	17.5	14.5	18.0	10	
GMRC-SHC-70AG	70	22.5	45.6	22.5	13	17.5	16.5	18.0	11.5	



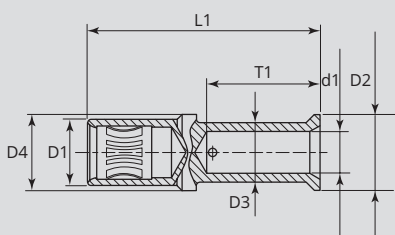
Technical characteristics

Contact type	Socket
Connection type	Crimp
Rated current (continuous) [A]	100
Contact Material	CU alloy
Coating	Silver

Standards

RoHS-compliant	Compliant with exception 6c (copper alloy ≤ 4% lead)
REACH-compliant	SVHC substances, yes - Lead

Socket contact



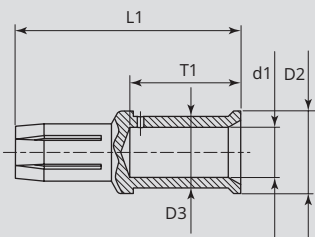
Item number	Wire section [mm ²]	Stripping length [mm]	L1 [mm]	T1 [mm]	D1 Ø [mm]	D2 Ø [mm]	D3 Ø [mm]	D4 Ø [mm]	d1 Ø [mm]	
GMRC-SKC-10AG	10	19	38.5	19.0	11	12.7	5.6	12.7	4.3	
GMRC-SKC-16AG	16	19	39.5	19.5	11	12.7	8.5	12.7	5.5	
GMRC-SKC-25AG	25	19	39.0	19.0	11	12.7	10.0	12.7	7.0	
GMRC-SKC-35AG	35	16	38.5	16.0	11	12.5	10.2	12.7	8.2	



Technical characteristics	
Contact type	Socket
Connection type	Crimp
Rated current (continuous) [A]	70
Contact Material	CU alloy
Coating	Silver

Standards	
RoHS-compliant	Compliant with exception 6c (copper alloy ≤ 4% lead)
REACH-compliant	SVHC substances, yes - Lead

Socket contact



Item number	Wire section [mm²]	Stripping length [mm]	L1 [mm]	T1 [mm]	D2 Ø [mm]	D3 Ø [mm]	d1 Ø [mm]	
GMRC-SK70C-6AG	6	15.5	31.5	15.5	11.5	5.0	3.5	
GMRC-SK70C-10AG	10	15.5	31.5	15.5	11.5	5.6	4.3	
GMRC-SK70C-16AG	16	15.5	31.5	15.5	11.5	8.5	5.5	
GMRC-SK70C-25AG	25	15	31.5	15.5	11.5	10.0	7.0	



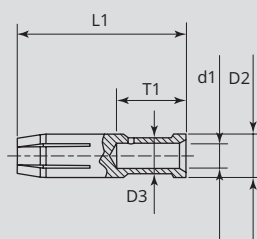
Technical characteristics

Contact type	Socket
Connection type	Crimp
Rated current (continuous) [A]	40
Contact Material	CU alloy
Coating	Gold

Standards

RoHS-compliant	Compliant with exception 6c (copper alloy ≤ 4% lead)
REACH-compliant	SVHC substances, yes - Lead

Socket contact



Item number	Wire section [mm²]	Wire section [AWG]	Stripping length [mm]	L1 [mm]	T1 [mm]	D2 Ø [mm]	D3 Ø [mm]	d1 Ø [mm]	
GMRC-SCC-1.5AG	1.5	16	9	23.4	9.6	6.0	3.0	1.75	
GMRC-SCC-2.5AG	2.5	14	9	23.4	9.6	6.0	3.5	2.25	
GMRC-SCC-4.0AG	4	12	9.6	23.4	9.6	6.0	3.9	2.85	
GMRC-SCC-6.0AG	6	10	9.6	23.4	9.6	6.0	5.0	3.5	
GMRC-SCC-10.0AG	10	8	15	23.4	9.6	6.0	5.6	4.3	



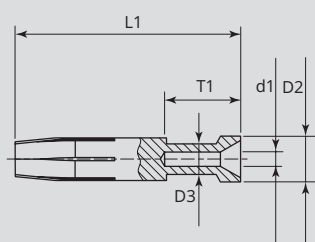
Technical characteristics

Contact type	Socket
Connection type	Crimp
Rated current (continuous) [A]	16
Contact Material	CU alloy
Coating	Gold

Standards

RoHS-compliant	Compliant with exception 6c (copper alloy ≤ 4% lead)
REACH-compliant	SVHC substances, yes - Lead

Socket contact



Item number	Wire section [mm²]	Wire section [AWG]	Stripping length [mm]	L1 [mm]	T1 [mm]	D2 Ø [mm]	D3 Ø [mm]	d1 Ø [mm]	
GMRC-SEC-0.50AU	0.5	20	7.5	22.2	7.5	4.5	2.6	1.15	
GMRC-SEC-0.75AU	0.75	18	7.5	22.2	7.5	4.5	2.6	1.3	
GMRC-SEC-1.0AU	1	18	7.5	22.2	7.5	4.5	2.6	1.45	
GMRC-SEC-1.5AU	1.5	16	7.5	22.2	7.5	4.5	3.0	1.75	
GMRC-SEC-2.5AU	2.5	14	7.5	22.2	7.5	4.5	3.5	2.25	
GMRC-SEC-3.0AU	3	12	7.5	22.2	7.5	4.5	3.7	2.55	
GMRC-SEC-4.0AU	4	12	7.5	22.2	7.5	4.5	3.9	2.85	



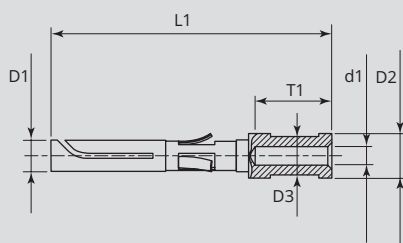
Technical characteristics

Contact type	Socket
Connection type	Crimp
Rated current (continuous) [A]	10
Contact Material	CU alloy
Coating	Gold

Standards

RoHS-compliant	Compliant with exception 6c (copper alloy ≤ 4% lead)
REACH-compliant	SVHC substances, yes - Lead

Socket contact



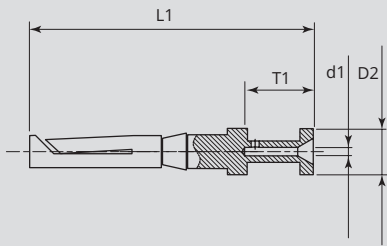
Item number	Wire section [mm²]	Wire section [AWG]	Stripping length [mm]	L1 [mm]	T1 [mm]	D1 Ø [mm]	D2 Ø [mm]	D3 Ø [mm]	d1 Ø [mm]	
GMRC-SZC-0.37AU	0.14 - 0.37	26 - 22	6	22.0	6.0	2.5	3.5	2.6	0.9	
GMRC-SZC-0.50AU	0.5	20	6	22.0	6.0	2.5	3.5	2.6	1.1	
GMRC-SZC-0.75AU	0.75		6	22.0	6.0	2.5	3.5	2.6	1.3	
GMRC-SZC-1.0AU	1	18	6	22.0	6.0	2.5	3.5	2.6	1.45	
GMRC-SZC-1.5AU	1.5	16	6	22.0	6.0	2.5	3.5	3.0	1.75	
GMRC-SZC-2.5AU	2.5	14	6	22.0	6.0	2.5	3.5	3.2	2.25	



Technical characteristics	
Contact type	Socket
Connection type	Crimp
Rated current (continuous) [A]	10
Contact Material	CU alloy
Coating	Gold

Standards	
RoHS-compliant	Compliant with exception 6c (copper alloy ≤ 4% lead)
REACH-compliant	SVHC substances, yes - Lead

Socket contact



Item number	Wire section [mm²]	Wire section [AWG]	Stripping length [mm]	L1 [mm]	T1 [mm]	D2 Ø [mm]	d1 Ø [mm]
GMRC-SDC-0.25AU	0.09 - 0.25	28 - 24	5	21.5	5.2	3.5	0.65





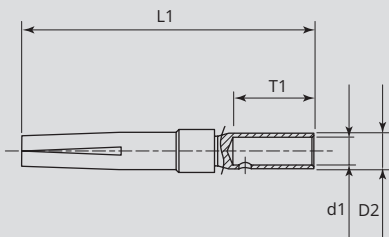
Technical characteristics

Contact type	Socket
Connection type	Crimp
Rated current (continuous) [A]	5
Contact Material	CU alloy
Coating	Gold

Standards

RoHS-compliant	Compliant with exception 6c (copper alloy ≤ 4% lead)
REACH-compliant	SVHC substances, yes - Lead

Socket contact



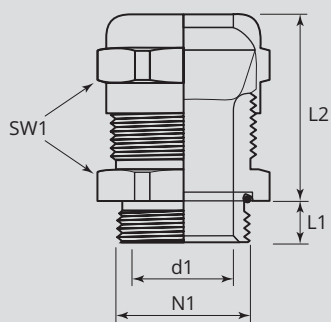
Item number	Wire section [mm²]	Wire section [AWG]	Stripping length [mm]	L1 [mm]	T1 [mm]	D2 Ø [mm]	d1 Ø [mm]
GMRC-SSC-0.25AU	0.09 - 0.25	28 - 24	5	14.4	4.0	1.66	0.64
GMRC-SSC-0.33AU	0.25 - 0.33	26 - 22	5	14.4	4.0	1.66	0.9
GMRC-SSC-0.52AU	0.33 - 0.52	22 - 20	5	14.4	4.0	1.66	1.12

**Technical characteristics**

Shell material	Brass
Surface	Electroless nickel
Material cable grip	T80 / TPE
O-ring material	HNBR
Operating temperature [°C]	-55 - +200

Standards

Basic standards	EN 62444
Fire protection class DIN EN 45545-2	R22:HL1/HL2/HL3 R23: HL1/HL2/HL3
Flammability rating UL 94	V0
Protection class EN 60529	IP69

Cable gland

Item number	N1	d1 Ø [mm]	L1 [mm]	L2 [mm]	Clamping range [mm]	WS1	
101.352.250	M25x1.5	20.2	7.50	30.00	20.0 - 11.0	30 x 33	
101.352.320	M32x1.5	25.2	8.00	32.00	8.0 - 2.0	36 x 39.5	
101.352.400	M40x1.5	32.3	8.00	35.00	8.0 - 2.0	45 x 48	
101.352.500	M50x1.5	42.3	10.00	39.00	42.0 - 31.0	18.9 x 17	
101.352.630	M63x1.5	54.3	10.00	40.00	54.0 - 41.0	68 x 72	



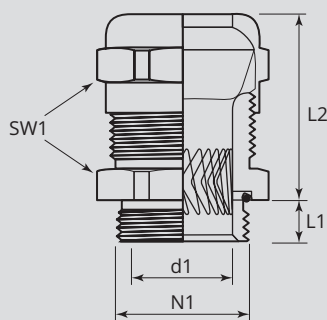
Technical characteristics

Shell material	Brass
Material cable grip	T80 / TPE
O-ring material	HNBR
Operating temperature [°C]	-55 - +200
EMI	Yes

Standards

Basic standards	EN 62444
	VDA 233-102
	IEC 61156-9
Fire protection class DIN EN 45545-2	R22:HL1/HL2/HL3 R23: HL1/HL2/HL3
Flammability rating UL 94	V0
Protection class EN 60529	IP69

Cable gland



Item number	N1	d1 Ø [mm]	L1 [mm]	L2 [mm]	Clamping range [mm]	Screening range Ø [mm]	WS1	
104.340.260	M25x1.5	20.2	7.50	30.00	20.0 - 11.0	16.0 - 10.0	30 x 33	
104.340.330	M32x1.5	25.2	8.00	32.00	8.0 - 2.0	20.0 - 13.0	36 x 39.5	
104.340.410	M40x1.5	32.3	8.00	35.00	8.0 - 2.0	28.0 - 20.0	45 x 48	
104.340.510	M50x1.5	42.3	10.00	39.00	42.0 - 31.0	37.0 - 28.0	18.9 x 17	
104.340.640	M63x1.5	54.3	10.00	40.00	54.0 - 41.0	46.0 - 37.0	68 x 72	



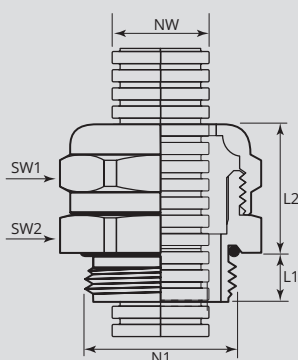
Technical characteristics

Shell material	Brass
Surface	Electroless nickel
Material cable grip	Silicone HT
O-ring material	HNBR
Operating temperature [°C]	-55 - +200

Standards

Basic standards	EN 62444
Fire protection class DIN EN 45545-2	R22:HL1/HL2/HL3 R23: HL1/HL2/HL3
Flammability rating UL 94	V0
Protection class EN 60529	IP69

Cable gland



Item number	N1	L1 [mm]	L2 [mm]	Corrugated tube [DN]	Profile corrugated conduit	WS1	WS2	
120.400.250	M25x1.5	7.50	17.00	10	Fine	28 x 31.2	24 x 26.7	
120.400.251	M25x1.5	7.50	21.00	12	Fine	30 x 33.5	30 x 33.5	
120.400.320	M32x1.5	8.00	21.00	12	Fine	35 x 38.5	30 x 33.5	
120.400.400	M40x1.5	8.00	22.50	23	Coarse	50 x 54	50 x 54	
120.400.500	M50x1.5	10.00	22.50	17	Coarse	54 x 58	40 x 43.5	
120.400.501	M50x1.5	10.00	22.50	23	Coarse	54 x 58	50 x 54	
120.400.502	M50x1.5	10.00	22.50	29	Coarse	54 x 58	50 x 54	
120.400.503	M50x1.5	10.00	27.00	36	Coarse	57 x 61	57 x 61	
120.400.630	M63x1.5	10.30	41.50	48	Coarse	81 x 87	81 x 87	

Item number	Product description	
GIW-GMR-C1016A	Crimping tool for GMR 10A & 16A contacts: DC / ZC / EC Series	
GIW-GMR-C40A06	Crimping tool for GMR 40A contacts: CC Series, up to 6mm ²	
GIW-GMR-C40A10	Crimping tool for GMR 40A contacts: CC Series, 4 - 10mm ²	
GIW-AFM8	Universal DMC hand press tool, short version.	
GIW-AFM8-SK2-2	Universal positioning adaptor for mechanical hand press tool GIW-AFM8	
HT51	Hydraulic hand press for crimping GMR 70A - 200A contacts: Series K70C / KC / HC	
B500ND	Portable hydraulic battery crimper for crimping GMR 70A - 200A contacts: Series K70C / KC / HC	
MK-6-50	Type MK, 1 pair, 10mm ²	
MK-8-50	Type MK, 1 pair, 16mm ²	
MK-10-50	Type MK, 1 pair, 25mm ²	
MK-12-50	Type MK, 1 pair, 35mm ²	

Item number	Product description	
MK-14-50	Type MK, 1 pair, 50mm2	
MK-16-50	Type MK, 1 pair, 70mm2	

Item number	Product description	
WMLE-GMR-CC	Contact removal tool for GMRC-PCC & GMRC-SCC contacts	
WMLE-GMR-EC	Contact removal tool for GMRC-PEC & GMRC-SEC contacts	
WMLE-GMR-KC1	Contact removal tool for GMRC-PKC & GMRC-SKC contacts	
WMLE-GMR-KC2	Contact removal tool for GMRC-PKC & GMRC-SKC contacts	
WMLE-GMR-SC	Contact removal tool for GMRC-PSC & GMRC-SSC contacts	
WMLE-GMR-ZC	Contact removal tool for GMRC-PZC & GMRC-SZC and GMRC-PDC & GMRC-SDC contacts	

Item number	Product description	
SC5X	Professional scissors SC5X, ergonomic handle, micro-toothed blades and 58 HRC degree of hardness, cable Ø up to 50mm², incl. protective sleeve	

General terms and conditions

General terms & conditions of sale

Deliveries, services and quotations provided by GIMOTA AG are made exclusively on the basis of these terms & conditions, even if they are not again explicitly agreed. These terms & conditions will be deemed to have been accepted when goods or services are ordered. We herewith reject any terms and conditions of purchase of the customer. Any deviations from these terms & conditions will not be valid unless confirmed by us in writing.

We reserve the right to supply up to 10% more or less of an order when products are made to the customer's specifications.

General

The information in our sales material (drawings, diagrams, dimensions, weights and other features) are intended as approximate values and do not constitute any assurance of properties unless they are explicitly designated as binding in writing.

Offer and conclusion of contract

Unless agreed otherwise, our offers are binding for 1 month. We reserve the right to change prices in exceptional circumstances (raw materials). Orders will only be binding on GIMOTA AG after written confirmation is issued.

Prices / packaging / terms of payment / supplements

The prices listed in our order confirmation are definitive. Unless otherwise agreed, prices are quoted in Swiss francs (CHF) and are subject to transport and packing costs in accordance, with INCOTERMS 2020, FCA Geroldswil, and do not include statutory VAT.

As a general principle, we deliver in standard packaging units and we reserve the right to adjust the quantity in the event of a deviation. We charge a supplement of CHF 10.00 per line item for part packaging units.

We will charge a lump sum of CHF 20.00 on orders with a value below CHF 100.00 to cover general costs of the order.

Invoices are payable net within 30 days of the date of invoice unless otherwise agreed. As a general principle, delivery is effected at the customer's expense by parcel post, shipping company or our vehicle unless explicitly agreed otherwise. Payment is only deemed to have been made when we have the due invoice amount at our disposal.

If the customer is in default, we will be entitled to charge interest of 5 % from the date in question. In addition, during the period of default GIMOTA AG will be entitled to terminate the contract at any time, to demand the return of the goods supplied and to claim damages for the void contract. All outstanding claims will become due immediately if the customer is in default of payment, culpably fails to meet essential obligations arising from the contract or circumstances become known to us that are likely to diminish the customer's credit standing, in particular suspension of payment, or if insolvency or bankruptcy proceedings are instituted. In such cases, we will be entitled to withhold outstanding deliveries or to execute them only against prepayment or other security.

Transfer of benefit and risk, shipment and insurance

In accordance with Incoterms 2020, FCA Geroldswil, unless agreed otherwise.

Delivery periods / delivery date

The delivery periods quoted in our offers apply from receipt of the order. The delivery period will be deemed to have been met if the shipment has been made available for dispatch in our factory when the period expires.

Any possible overrun of the delivery deadlines indicated does not justify claims for damages or a cancellation of the order in question. Shortages of raw materials, damage to tools, transport difficulties and similar causes of disruption that make delivery impossible, or make it disproportionately more difficult or more expensive, release us from our delivery obligations without compensation. Notification of identifiable delays will, wherever possible, be given immediately.

Framework agreements will only be accepted with call-off periods. If the call-off period is not precisely defined, it will end 12 months after conclusion of the agreement. In this case, the call-off quantity specified in the agreement must be accepted. If acceptance does not take place within the agreed period, GIMOTA AG will be entitled to deliver finished shipments without any further notification.

Documents / samples

Our catalogues, drawings, sketches etc. are our intellectual property and may not be modified or used for other purposes without our written consent. Samples are only provided against payment.

Inspection and acceptance of delivery

Any apparent defects detected must be reported to GIMOTA AG within 10 days. If the customer fails to do so, the delivery will be deemed to have been accepted.

General terms and conditions

Any further inspections of the goods prior to shipment and/or certificates (e.g. acceptance inspections, factory test certificates etc.) must be agreed beforehand in writing and specified on the order. Any costs incurred will be invoiced. Any return of goods by the customer requires the prior consent of GIMOTA AG and must be effected in accordance with the guidelines for the return of articles.

Retention of title

Goods supplied will remain our property until complete payment has been effected. The customer assures that it will cooperate in any measures required to protect our property.

Cancellation / returns in accordance with the guidelines for the return of goods

Any return of goods by the customer requires the prior consent of GIMOTA AG and must be effected in accordance with the guidelines for the return of articles.

The cancellation of orders requires our prior written consent. Any parts that have already been produced will be invoiced. If customer-specific raw materials were purchased, they will also be invoiced. GIMOTA AG is entitled to withdraw from delivery obligations if the customer's financial situation deteriorates substantially or turns out to be different to what was presented to us.

Guarantee / warranty

GIMOTA AG undertakes, on receipt of written notification from the customer within the warranty period and at its discretion, to replace or repair all parts that are defective or unusable as a result of design, material or production faults as rapidly as possible. The warranty period is 12 months from receipt of delivery unless other legal provisions apply.

The warranty does not cover damage resulting from improper storage, normal wear and tear, faulty processing and failure to comply with regulations.

Any modifications or repairs performed without our written consent and failure to comply with our operating instructions will release us from the guarantee obligation. Our liability is limited to the replacement of the faulty objects or the reimbursement of the value of the invoice.

No new warranty periods apply as a result of the replacement of parts, assemblies or entire devices. Warranty is limited exclusively to the repair or exchange of the damaged objects that were delivered.

Exclusion of further liability

These "General terms & conditions of sale" govern the customer's rights to assert a claim in their entirety. All claims for compensation, reduction, rescission of or withdrawal from the contract are excluded.

Data privacy

Your acceptance of these terms & conditions also constitutes your acceptance of the data privacy policy of GIMOTA AG.

Jurisdiction

Zurich is the sole place of jurisdiction for all disputes arising directly or indirectly in connection with this contractual relationship. The contractual relationship is subject to Swiss law. The general terms & conditions valid at the time of the conclusion of the contract will apply. You can view these on the Internet at www.gimota.com.

Final provisions

The general terms & conditions of sale were modified with effect from October 1st 2025 and replace all previous versions. They are an integral part of all offers and/or order confirmation documents. This version replaces all previous terms & conditions. If there are any difference between a foreign-language version and the German text, the German text will be definitive.

General Product Safety Instructions and Liability Notice

These instructions apply to all products of GIMOTA AG.

All information provided in data sheets, catalogues, and technical documentation must be strictly observed. Failure to comply may result in hazards to persons, property, or the environment.

1. Intended Use

Products may only be used for their intended purpose and within the specified technical limits.

This includes, in particular:

- electrical ratings (e.g. voltage, current),
- mechanical loads,
- environmental conditions.

Products may only be used with suitable and approved components. Modifications, alterations, or improper use are not permitted.

The responsibility for verifying suitability for a specific application lies with the user or system integrator.

2. General Safety Principles

Installation and operation must only be carried out by qualified personnel.

All applicable national and international standards and safety regulations must be observed.

Before installation, it must be ensured that:

- the selected product is suitable,
- all components are undamaged and functional,
- technical specifications are met.

3. Potential Hazards

Improper use may result in:

- electric shock,
- burns,
- fire,
- mechanical injury,
- system malfunction.

Hazards may arise from:

- incorrect assembly or wiring,
- exceeding specified limits,
- use of damaged or contaminated components,
- unsuitable environmental conditions,
- insufficient sealing or improper installation.

Connectors must not be connected or disconnected under load unless explicitly designed for such operation.

4. Handling, Transport, and Storage

Products must be handled with care and protected against mechanical damage, moisture, contamination, and adverse environmental conditions.

All components must be visually inspected before use. Damaged products must not be used.

Mechanical stress, especially tensile load on cables, must be avoided.

5. Assembly and Installation

Assembly and installation must be carried out in accordance with technical documentation and recognized engineering practices.

Only suitable and approved tools may be used.

Before energizing, it must be ensured that:

- all connections are correctly established and secured,
- no loose conductors or foreign conductive materials are present,
- no unintended electrical connections exist.

6. Operation and Electrical Safety

Specified voltage and current ratings must not be exceeded.

For high-voltage applications, appropriate protection against direct and indirect contact must be ensured.

Connectors with accessible contacts may only be used where adequate protective measures are in place.

It must be ensured that no hazardous voltages can occur on accessible conductive parts.

7. Environmental Conditions and Protection

Specified protection ratings (e.g. IP ratings) are only valid when products are fully assembled and properly installed.

Environmental influences such as moisture, dust, chemicals, vibration, or mechanical stress may affect performance and safety and must be considered.

Cable entry systems must be properly selected and installed to ensure sealing performance.

8. Maintenance and Inspection

Products must be inspected regularly to ensure proper condition.

In particular, check for:

- mechanical integrity,
- secure connections and locking,
- condition of contacts and sealing elements,
- signs of overheating or corrosion.

Damaged products must be replaced.

9. Disposal

Products must be disposed of in accordance with applicable regulations.

10. Disclaimer of Liability

GIMOTA AG shall not be liable for damages resulting from:

- improper or unintended use,
- failure to comply with these instructions or technical documentation,
- improper installation,
- use of unsuitable or non-approved components,
- unauthorised modifications or repairs.

The user is responsible for compliance with all applicable regulations and for ensuring safe integration of the products.

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This catalogue replaces all previous ones. Product details are given without guarantee, errors and technical changes excepted.
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