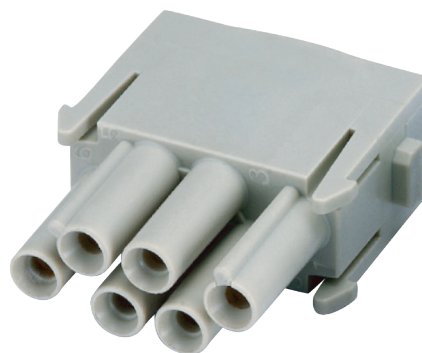


Module 6 pole, socket, 830V, 16A

Number of slots: 1

Item number: GMRM-830-16-6SEC-01

Packing unit: 1



TECHNICAL CHARACTERISTICS

Number of slots:	1
Number of contacts:	6
Contact type:	Socket
Number of mating cycles (min.):	500

THERMAL PROPERTIES

Material contact insert:	Polycarbonate (PC)
Operating temperature insert [°C]:	-40 - +125

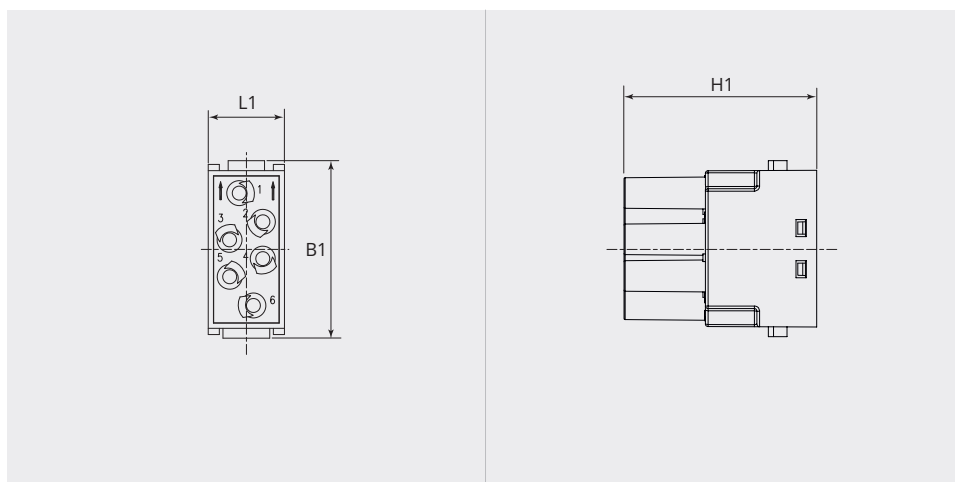
ELECTRICAL PROPERTIES

Rated current [A]:	16
Operating voltage [V]:	830
Rated voltage according to UL/CSA [V]:	600
Test voltage DC [V]:	8
Insulation resistance (Ω):	$\geq 10^{10}$
Pollution degree:	3

STANDARDS

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

DIMENSIONS





DIMENSIONS

B1 [mm]:	34.2
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Height [mm]:	37.4
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L1 [mm]:	14.6
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Socket contact 16A, 3.0mm²

Item number: GMRC-SEC-3.0AU

Packing unit: 100



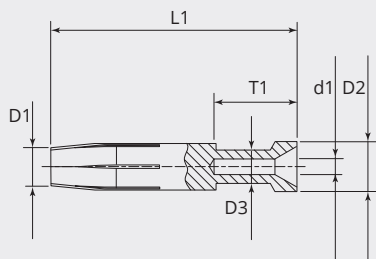
MECHANICAL PROPERTIES CONTACTS

Contact type:	Socket
Rated current (continuous) [A]:	16
Contact resistance (mΩ) :	≤1
Contact Material:	CU alloy
Coating:	Gold
Protective layer:	Gold plated
Type of manufacture:	Turned
Connection type:	Crimp
Wire section [mm ²]:	3
Wire section [AWG]:	12
Stripping length [mm]:	7.5
REACH-compliant:	SVHC substances, yes - Lead
RoHS-compliant:	Compliant with exception 6c (copper alloy ≤ 4% lead)

STANDARDS

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

DIMENSIONS



DIMENSIONS

D2 Ø [mm]:	4.5
D3 Ø [mm]:	3.7
d1 Ø [mm]:	2.55
L1 [mm]:	22.2
T1 [mm]:	7.5

Socket contact 16A, 1.5mm²

Item number: GMRC-SEC-1.5AU

Product weight (kg): 0.0015 kg

Packing unit: 100



MECHANICAL PROPERTIES CONTACTS

Contact type: Socket

Rated current (continuous) [A]: 16

Contact resistance (mΩ) : ≤1

Contact Material: CU alloy

Coating: Gold

Protective layer: Gold plated

Type of manufacture: Turned

Connection type: Crimp

Wire section [mm²]: 1.5

Wire section [AWG]: 16

Stripping length [mm]: 7.5

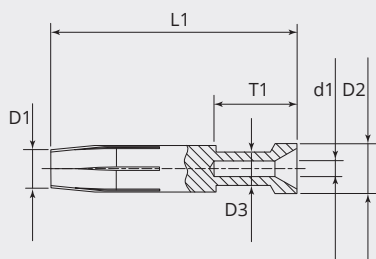
REACH-compliant: SVHC substances, yes - Lead

RoHS-compliant: Compliant with exception 6c (copper alloy ≤ 4% lead)

STANDARDS

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

DIMENSIONS



DIMENSIONS

D2 Ø [mm]:	4.5
D3 Ø [mm]:	3.0
d1 Ø [mm]:	1.75
L1 [mm]:	22.2
T1 [mm]:	7.5

Socket contact 16A, 0.5mm²

Item number: GMRC-SEC-0.50AU

Product weight (kg): 0.0015 kg

Packing unit: 100



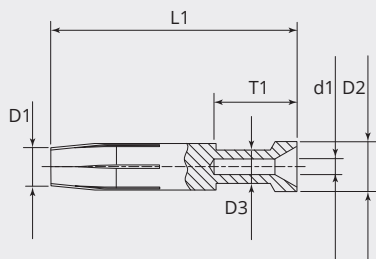
MECHANICAL PROPERTIES CONTACTS

Contact type:	Socket
Rated current (continuous) [A]:	16
Contact resistance (mΩ) :	≤1
Contact Material:	CU alloy
Coating:	Gold
Protective layer:	Gold plated
Type of manufacture:	Turned
Connection type:	Crimp
Wire section [mm ²]:	0.5
Wire section [AWG]:	20
Stripping length [mm]:	7.5
REACH-compliant:	SVHC substances, yes - Lead
RoHS-compliant:	Compliant with exception 6c (copper alloy ≤ 4% lead)

STANDARDS

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

DIMENSIONS



DIMENSIONS

D2 Ø [mm]:	4.5
D3 Ø [mm]:	2.6
d1 Ø [mm]:	1.15
L1 [mm]:	22.2
T1 [mm]:	7.5

Socket contact 16A, 0.75mm²

Item number: GMRC-SEC-0.75AU

Packing unit: 100



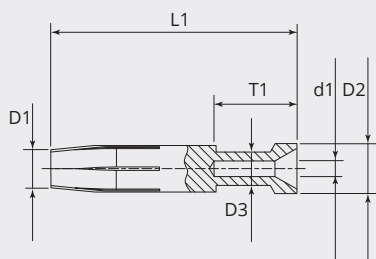
MECHANICAL PROPERTIES CONTACTS

Contact type:	Socket
Rated current (continuous) [A]:	16
Contact resistance (mΩ) :	≤1
Contact Material:	CU alloy
Coating:	Gold
Protective layer:	Gold plated
Type of manufacture:	Turned
Connection type:	Crimp
Wire section [mm ²]:	0.75
Wire section [AWG]:	18
Stripping length [mm]:	7.5
REACH-compliant:	SVHC substances, yes - Lead
RoHS-compliant:	Compliant with exception 6c (copper alloy ≤ 4% lead)

STANDARDS

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

DIMENSIONS



DIMENSIONS

D2 Ø [mm]:	4.5
D3 Ø [mm]:	2.6
d1 Ø [mm]:	1.3
L1 [mm]:	22.2
T1 [mm]:	7.5

Socket contact 16A, 2.5mm²

Item number: GMRC-SEC-2.5AU

Packing unit: 100



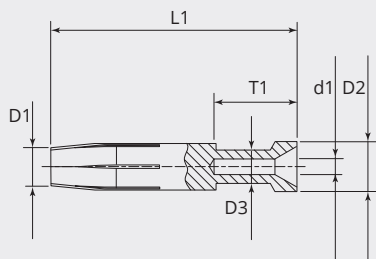
MECHANICAL PROPERTIES CONTACTS

Contact type:	Socket
Rated current (continuous) [A]:	16
Contact resistance (mΩ) :	≤1
Contact Material:	CU alloy
Coating:	Gold
Protective layer:	Gold plated
Type of manufacture:	Turned
Connection type:	Crimp
Wire section [mm ²]:	2.5
Wire section [AWG]:	14
Stripping length [mm]:	7.5
REACH-compliant:	SVHC substances, yes - Lead
RoHS-compliant:	Compliant with exception 6c (copper alloy ≤ 4% lead)

STANDARDS

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

DIMENSIONS



DIMENSIONS

D2 Ø [mm]:	4.5
D3 Ø [mm]:	3.5
d1 Ø [mm]:	2.25
L1 [mm]:	22.2
T1 [mm]:	7.5

Socket contact 16A, 1.0mm²

Item number: GMRC-SEC-1.0AU

Packing unit: 100



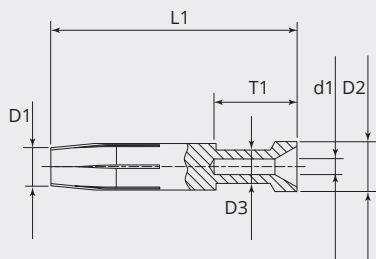
MECHANICAL PROPERTIES CONTACTS

Contact type:	Socket
Rated current (continuous) [A]:	16
Contact resistance (mΩ) :	≤1
Contact Material:	CU alloy
Coating:	Gold
Protective layer:	Gold plated
Type of manufacture:	Turned
Connection type:	Crimp
Wire section [mm ²]:	1
Wire section [AWG]:	18
Stripping length [mm]:	7.5
REACH-compliant:	SVHC substances, yes - Lead
RoHS-compliant:	Compliant with exception 6c (copper alloy ≤ 4% lead)

STANDARDS

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

DIMENSIONS



DIMENSIONS

D2 Ø [mm]:	4.5
D3 Ø [mm]:	2.6
d1 Ø [mm]:	1.45
L1 [mm]:	22.2
T1 [mm]:	7.5

Socket contact 16A, 4.0mm²

Item number: GMRC-SEC-4.0AU

Packing unit: 100



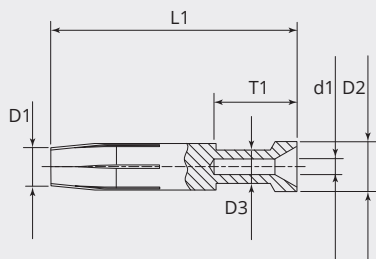
MECHANICAL PROPERTIES CONTACTS

Contact type:	Socket
Rated current (continuous) [A]:	16
Contact resistance (mΩ) :	≤1
Contact Material:	CU alloy
Coating:	Gold
Protective layer:	Gold plated
Type of manufacture:	Turned
Connection type:	Crimp
Wire section [mm ²]:	4
Wire section [AWG]:	12
Stripping length [mm]:	7.5
REACH-compliant:	SVHC substances, yes - Lead
RoHS-compliant:	Compliant with exception 6c (copper alloy ≤ 4% lead)

STANDARDS

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

DIMENSIONS



DIMENSIONS

D2 Ø [mm]:	4.5
D3 Ø [mm]:	3.9
d1 Ø [mm]:	2.85
L1 [mm]:	22.2
T1 [mm]:	7.5