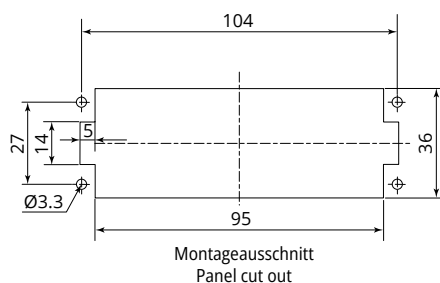


Fixed pole insert 46 poles, pin, 500V, 16A

Size 24

Item number: GMRF-500-16-46PEC-24

Packing unit: 1



TECHNICAL CHARACTERISTICS

Number of contacts: 46 + PE

Contact type: Pin

Number of mating cycles (min.): 500

THERMAL PROPERTIES

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

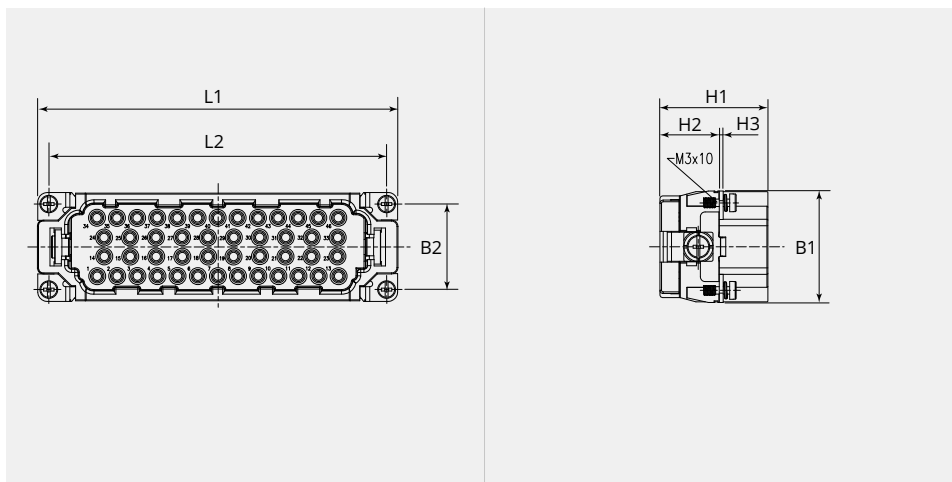
ELECTRICAL PROPERTIES

Rated current [A]:	16
Operating voltage [V]:	500 (PD2 = 830)
Rated voltage according to UL/CSA [V]:	600
Test voltage DC [V]:	6 (PD2 = 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]:	34.0
B2 [mm]:	27.0
Height [mm]:	33.5
H2 [mm]:	18.3
H3 [mm]:	1.2
L1 [mm]:	111.0
L2 [mm]:	104.0

Pin contact 16A, 4.0mm²

Item number: GMRC-PEC-4.0AU

Packing unit: 100



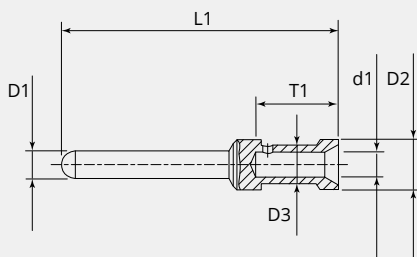
MECHANICAL PROPERTIES CONTACTS

Contact type:	Pin
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

D1 Ø [mm]:	2.5
D2 Ø [mm]:	4.5
D3 Ø [mm]:	3.9
d1 Ø [mm]:	2.85
L1 [mm]:	25.0
T1 [mm]:	7.5

Pin contact 16A, 1.5mm²

Item number: GMRC-PEC-1.5AU

Product weight (kg): 0.0013 kg

Packing unit: 100



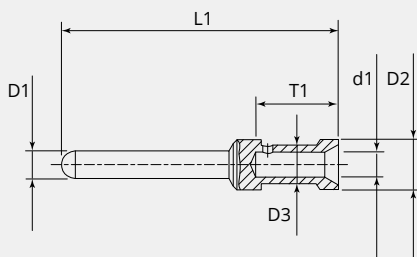
MECHANICAL PROPERTIES CONTACTS

Contact type:	Pin
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]:	1.5
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

D1 Ø [mm]:	2.5
D2 Ø [mm]:	4.5
D3 Ø [mm]:	3.0
d1 Ø [mm]:	1.75
L1 [mm]:	25.0
T1 [mm]:	7.5

Pin contact 16A, 3.0mm²

Item number: GMRC-PEC-3.0AU

Packing unit: 100



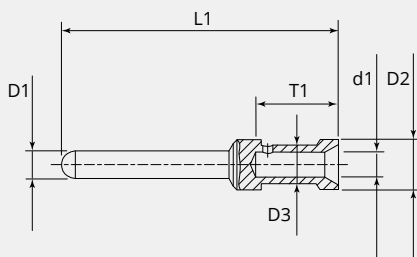
MECHANICAL PROPERTIES CONTACTS

Contact type:	Pin
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]:	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

D1 Ø [mm]:	2.5
D2 Ø [mm]:	4.5
D3 Ø [mm]:	3.7
d1 Ø [mm]:	2.55
L1 [mm]:	25.0
T1 [mm]:	7.5

Pin contact 16A, 2.5mm²

Item number: GMRC-PEC-2.5AU
Product weight (kg): 0.0014 kg
Packing unit: 100



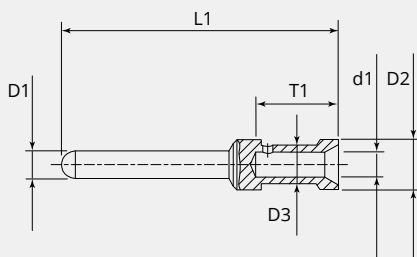
MECHANICAL PROPERTIES CONTACTS

Contact type:	Pin
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

D1 Ø [mm]:	2.5
D2 Ø [mm]:	4.5
D3 Ø [mm]:	3.5
d1 Ø [mm]:	2.25
L1 [mm]:	25.0
T1 [mm]:	7.5

Pin contact 16A, 0.75mm²

Item number: GMRC-PEC-0.75AU

Packing unit: 100



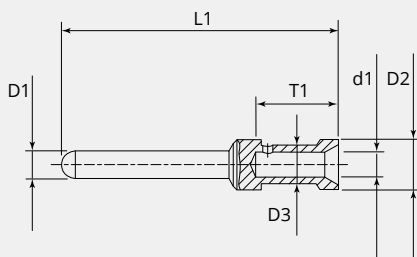
MECHANICAL PROPERTIES CONTACTS

Contact type:	Pin
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

D1 Ø [mm]:	2.5
D2 Ø [mm]:	4.5
D3 Ø [mm]:	2.6
d1 Ø [mm]:	1.3
L1 [mm]:	25.0
T1 [mm]:	7.5

Pin contact 16A, 1.0mm²

Item number: GMRC-PEC-1.0AU

Product weight (kg): 0.0014 kg

Packing unit: 100



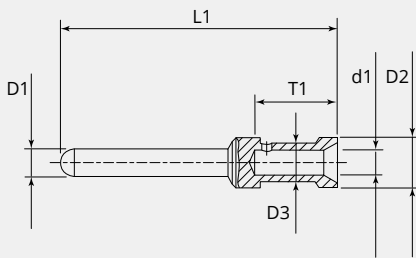
MECHANICAL PROPERTIES CONTACTS

Contact type:	Pin
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
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

D1 Ø [mm]:	2.5
D2 Ø [mm]:	4.5
D3 Ø [mm]:	2.6
d1 Ø [mm]:	1.45
L1 [mm]:	25.0
T1 [mm]:	7.5

Pin contact 16A, 0.5mm²

Item number: GMRC-PEC-0.50AU
Product weight (kg): 0.0015 kg
Packing unit: 100



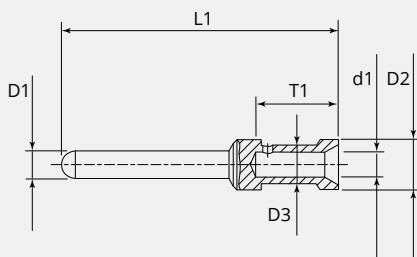
MECHANICAL PROPERTIES CONTACTS

Contact type:	Pin
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

D1 Ø [mm]:	2.5
D2 Ø [mm]:	4.5
D3 Ø [mm]:	2.6
d1 Ø [mm]:	1.15
L1 [mm]:	25.0
T1 [mm]:	7.5