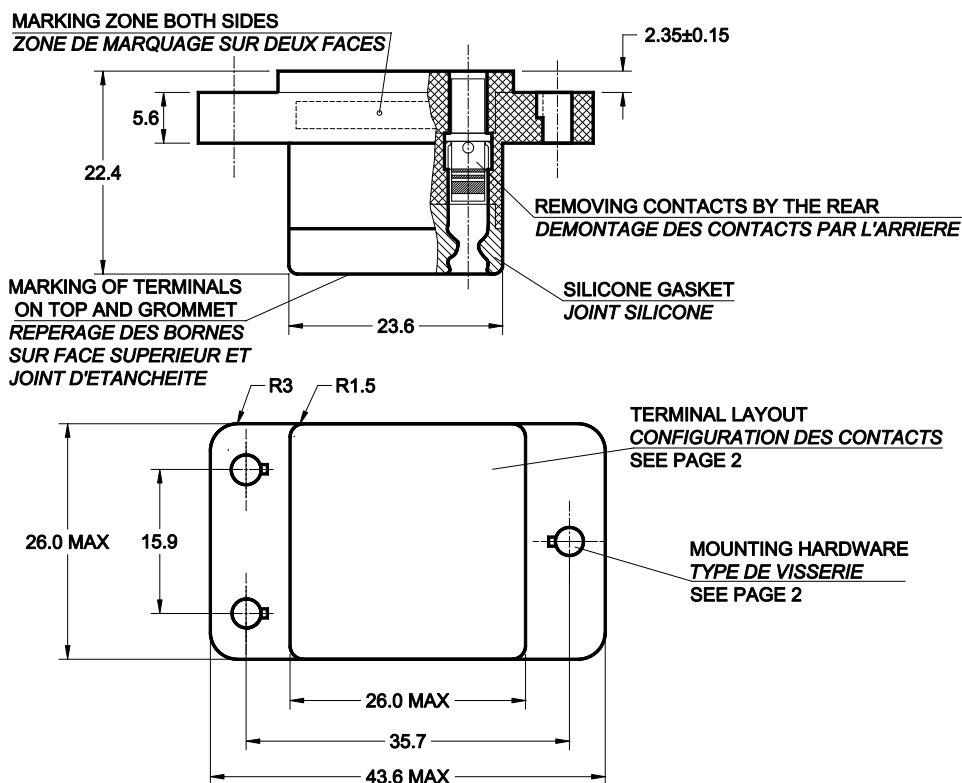


**Applicable relays and sensors:**

SERIES M500 (DC Coil),
M501 (AC Coil),
M502 (DC Coil), M550 (DC Coil),
T531, CS500

**GENERAL CHARACTERISTICS**
CARACTERISTIQUES GENERALES

Tooling #12 Outillage #12	Crimp tool Pince à sertir	M22520/1-01 with turret M22520/1-02 (Yellow)
	Insertion and extraction tool Outil d'insertion et d'extraction	M81969/14-04
Tooling #16 Outillage #16	Crimp tool Pince à sertir	M22520/1-01 with turret M22520/1-02 (Blue)
	Insertion and extraction tool Outil d'insertion et d'extraction	M81969/14-03
Tooling #20 Outillage #20	Crimp tool Pince à sertir	M22520/1-01 with turret M22520/1-02 (Red)
	Insertion and extraction tool Outil d'insertion et d'extraction	M81969/14-02
Weight Poids		45g max
Temperature range Température d'utilisation		-70° C to +125° C
In accordance to En accord selon		MIL-DTL-12883/48 and 54
Contacts and hardware delivered in a separate plastic bag Contacts et visserie livrés séparément dans un sachet plastique		
Gasket sealed socket, crimp contacts Socle étanche par joint silicone, contacts à sertir		

LEACH INTERNATIONAL EUROPE S.A.S.

Tel: +33 3 87 97 98 97

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LEACH INTERNATIONAL ASIA PACIFIC

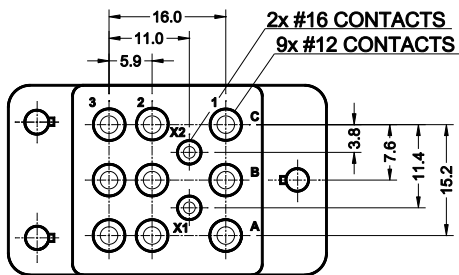
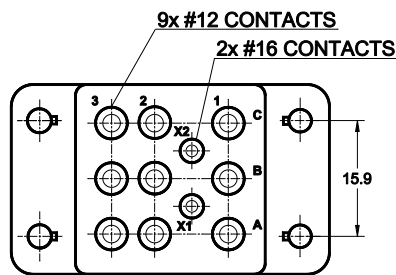
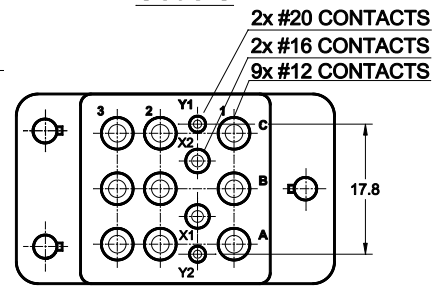
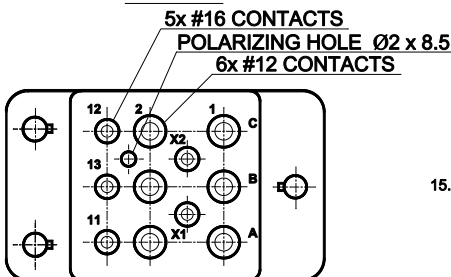
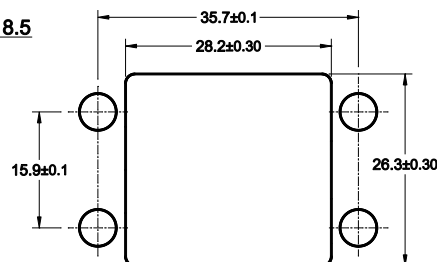
Tel: +852 2 191 3830

Fax: +852 2 389 5803

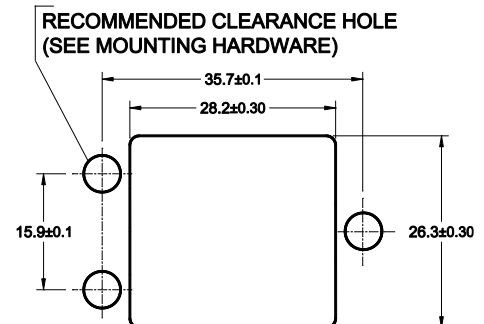
The technical information provided by Leach International Europe is to be used as a guide only, and is not meant for publication or as documentation for altering any existing specification. Dimensions are in millimeters unless otherwise specified. Rev. 15/2025.

TERMINAL LAYOUT
TYPE DE SORTIE

Dimensions in mm

Tolerances, unless otherwise specified, $\pm 0.25\text{mm}$ **Series S500/S501**
Code AApplicable to
M500/M501/CS500**Series S501**
Code EApplicable to
M501 Mounting E**Series S502**
Code CApplicable to
M502 2x #16 CONTACTS**MOUNTING HOLE LAYOUT**
*DECOUPE DE LA STRUCTURE***Series S550**
Code DApplicable to
M550

FOR CODE E



FOR OTHERS CODE

MOUNTING HARDWARE
TYPE DE VISSERIE

CODE 1 UNIFIED HARDWARE 05 284 12 MOUNT. HOLE: DIA 5,1 mm APPLICABLE TORQUE: 4-40 NUT 0,45 ± 0,1 Nm 10-32 NUT 1,2 ± 0,1 Nm	CODE 2 METRIC HARDWARE 05 284 00 MOUNT. HOLE: DIA 3,1 mm APPLICABLE TORQUE: 0,45 ± 0,1 Nm	CODE 3 METRIC HARDWARE 05 284 07 MOUNT. HOLE: DIA 3,1 mm APPLICABLE TORQUE: 0,45 ± 0,1 Nm
CODE 4 WITHOUT HARDWARE SOCKET BODY : MOUNT. HOLE DIA 2,9 mm	CODE 6 HARDW. PER MIL-S-12 883/40 MIL-S-12 883/41 05 284 13 MOUNT. HOLE: DIA 3,1 mm APPLICABLE TORQUE: 0,45 ± 0,1 Nm BOTTOM MOUNT. TOP MOUNT.	CODE 7 METRIC HARDWARE 05 284 15 MOUNT. HOLE DIA 3,1 mm APPLICABLE TORQUE: 0,45 ± 0,1 Nm
CODE 5 WITHOUT HARDWARE SOCKET BODY : MOUNT. HOLE DIA 3,1 mm	CODE 9 BOTTOM MOUNT. TOP MOUNT. 05 284 21 MOUNT. HOLE : DIA BOTTOM MOUNT. : 5,1mm TOP MOUNT. : 2,9mm APPLICABLE TORQUE: 4-40 NUT 0,45 ± 0,1 Nm 10-32 NUT 2,0 ± 0,1 Nm LOOSE STUDS FIXED STUDS	CODE 10 UNIFIED HARDWARE 05 284 16 MOUNT. HOLE DIA 3,1 mm APPLICABLE TORQUE: 0,45 ± 0,1 Nm
CODE 8 BOTTOM MOUNT. TOP MOUNT. 05 284 20 MOUNT. HOLE : DIA BOTTOM MOUNT. : 5,1mm TOP MOUNT. : 2,9mm APPLICABLE TORQUE: 4-40 NUT 0,45 ± 0,1 Nm 10-32 NUT 1,2 ± 0,1 Nm LOOSE STUDS FIXED STUDS	CODE 11 METRIC HARDWARE 05 284 26 MOUNT. HOLE DIA 3,1 mm APPLICABLE TORQUE: 0,45 ± 0,1 Nm FIXED STUDS	

GROMMET TYPE

TYPE DE JOINT D'ÉTANCHEITE

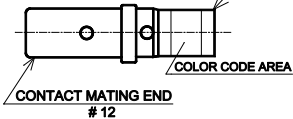
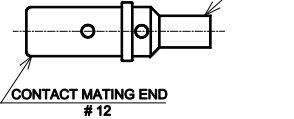
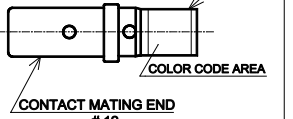
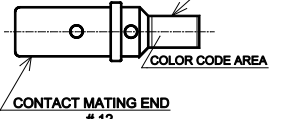
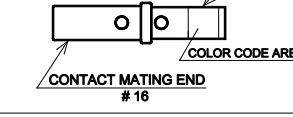
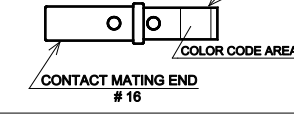
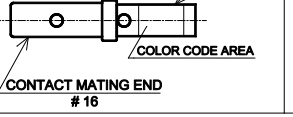
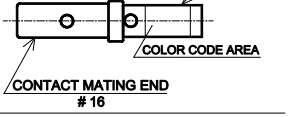
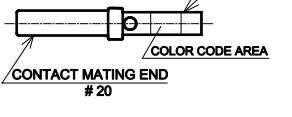
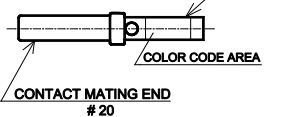
Wire sealing: A silicone grommet is permanently bonded to the wire entry face of the socket so as to provide sealing capabilities for AWG size 12, 16, and 20 wire as applicable.

Étanchéité du fil : Un joint silicone fait partie intégrante du socle et permet de garantir une étanchéité des fils de AWG 12, 16 et 20.

CODE A	
External wire diameter / Diamètre extérieur du Fil	Dimensions in mm
Main contacts # 12	2.0 to 3.4
X1-X2 Contacts and Auxiliary contacts # 16	1.2 to 2.6
Y1-Y2 Contacts (S502) # 20	0.8 to 1.4

CONTACT SIZE AND STYLE

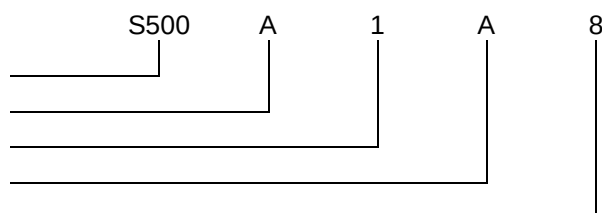
TAILLE ET STYLE DE CONTACTS

CODE 0		CODE 8		CODE 10		CODE 11		CODE 13	
WITHOUT CONTACTS									
05 910 00		05 910 01		30 976 00		31 099 00			
MAIN CONTACTS CRIMP END TO ACCOMMODATE WIRE # 12 - 14		MAIN CONTACTS, CRIMP END TO ACCOMMODATE WIRE # 16 - 18 - 20		MAIN CONTACTS, (MIL-C-39039/92-535) CRIMP END TO ACCOMMODATE WIRE # 12 - 14		MAIN CONTACTS, (MIL-C-39029/92-536) CRIMP END TO ACCOMMODATE WIRE # 16 - 18 - 20			
									
05 911 00		05 911 00		30 315 00		30 315 00			
MAIN CONTACTS CRIMP END TO ACCOMMODATE WIRE # 16 - 18 - 20		X1-X2 CONTACTS, CRIMP END TO ACCOMMODATE WIRE # 16 - 18 - 20		X1-X2 CONTACTS, (MIL-C-39029/92-533) CRIMP END TO ACCOMMODATE WIRE # 16 - 18 - 20		X1-X2 CONTACTS, (MIL-C-39029/92-533) CRIMP END TO ACCOMMODATE WIRE # 16 - 18 - 20			
									
05 913 00		Y1 -Y2 (S502)		31 236 00		Y1 -Y2 (S502)			
		ASSOCIATED WITH CODE 8 OR 10 CRIMP END TO ACCOMMODATE WIRE # 20 - 22 - 24				ASSOCIATED WITH CODE 11 OR 13 (MIL-C-39029/92-532) CRIMP END TO ACCOMMODATE WIRE # 20 - 22 - 24			
									

SOCKET NUMBERING SYSTEM
SYSTEME DE REFERENCES

Basic series designation | Référence de base

1. Terminal layout | Type de sorties
2. Mounting hardware | Type de visserie
3. Grommet type | Type de joint d'étanchéité
4. Contact size and style | Taille et style de contact



Example : S500-A1A8

MS/LEACH CROSS PART NO
CORRESPONDANCE MIL/LEACH

MIL - Number		LEACH P/N	CONTACTS TYPE	HARDWARE
MIL-DTL-12883/48	01S	S500-A8A11	9 x M39029/92-535 2 x M39029/92-533	Loose Stud
	02S	S500-A9A11	9 x M39029/92-535 2 x M39029/92-533	Fixed Stud
	09S	S500-A9A13	9 x M39029/92-536 2 x M39029/92-533	Fixed Stud
	05S	S501-E8A11	9 x M39029/92-535 2 x M39029/92-533	Loose Stud
	06S	S501-E9A11	9 x M39029/92-535 2 x M39029/92-533	Fixed Stud
	10S	S501-E9A13	9 x M39029/92-536 2 x M39029/92-533	Fixed Stud
MIL-DTL-12883/54	01S	S550-D9A11	6 x M39029/92-535 5 x M39029/92-533	Fixed Stud
	04S	S502-C9A11	9 x M39029/92-535 2 x M39029/92-533 2 x M39029/92-532	Fixed Stud

NOTES
REMARQUES

1. **Qualification and quality levels : Contact the factory**
Niveaux de qualification et de qualité : Nous consulter.