

PRODUCT NUMBER
20020009-XXXXXXLF

20020009-

PITCH

C : 3.50 mm
D : 3.81 mm
G : 5.00 mm
H : 5.08 mm

POLES

02: 2 POLES
03: 3 POLES
04: 4 POLES
:
:
:
24: 24 POLES

LF : DENOTES ROHS COMPATIBLE

1 : STANDARD PRODUCT
W/ BOX PACKING

SCREW CODE

CODE	SCREW TYPE	AVAILABILITY
A	-/+ 	ON REQUEST ONLY
B	- 	STANDARD

ALL FLANGE SCREWS ARE ONLY AVAILABLE IN +/-
COMBINATION SCREW TYPES.

PROPERTY TABLE

FCI SERIES NAME		02-350	02-381	02-500	02-508	
PITCH (mm)		3.50	3.81	5.00	5.08	
VOLTAGE RATING (VAC)		300	300	300	300	
CURRENT RATING (A)	cULus	8	8	12	12	
	VDE	10	10	NA	NA	
APPLICABLE WIRE RANGE (AWG)	1-WIRE	16~28	16~28	12~24	12~24	
	2-WIRE	20	20	18	18	
WIRE CROSS SECTION (mm ²)	SOLID	1-WIRE	1.5	1.5	2.5	
		2-WIRE	0.5	0.5	1.0	1.0
	STRANDED	1-WIRE	1.5	1.5	2.5	2.5
		2-WIRE	0.75	0.75	1.5	1.5
OPENING CONTACT HOUSING(mm ²)		2.8x1.7	2.8x1.7	2.6x3.3	2.6x3.3	
WIRE STRIP LENGTH(mm)		6~7	6~7	6~7	6~7	
TORQUE +/−10% (N-m/Lb-in)		0.19/1.7	0.19/1.7	0.4/3.5	0.4/3.5	
SCREW		M2x0.4	M2x0.4	M3x0.5	M3x0.5	
WITHSTANDING VOLTAGE (kV)	cULus	1.6	1.6	1.6	1.6	
	VDE	2.5	2.5	NA	NA	
OPERATING TEMP. (°C)		−40~+115	−40~+115	−40~+115	−40~+115	
POLES AVAILABLE		02~24	02~24	02~24	02~24	
SAFETY CERTIFICATE						

HOUSING CODE

CODE	COLOR	AVAILABILITY
1	GREEN(RAL 6018/T)	STANDARD
2	BLACK	ON REQUEST ONLY
3	GREY(RAL 7004/P)	ON REQUEST ONLY
4	BLUE(RAL 5015/A)	ON REQUEST ONLY

NOTES:

1. MATERIALS

- 1-1 HOUSING: THERMALPLASTIC RESIN, UL 94V-0 RATED.
- 1-2 SCREW AND FLANGE SCREW: STEEL, ZINC PLATED.
- 1-3 CLAMP: COPPER ALLOY, NICKEL PLATED.
- 1-4 TERMINAL: COPPER ALLOY, TIN PLATED.

2. PRODUCT SPECIFICATION REFER TO FCI GS-12-625.

3. BOXED PACKAGING,

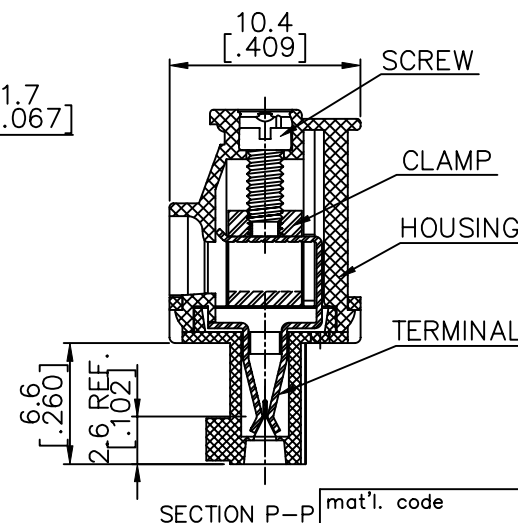
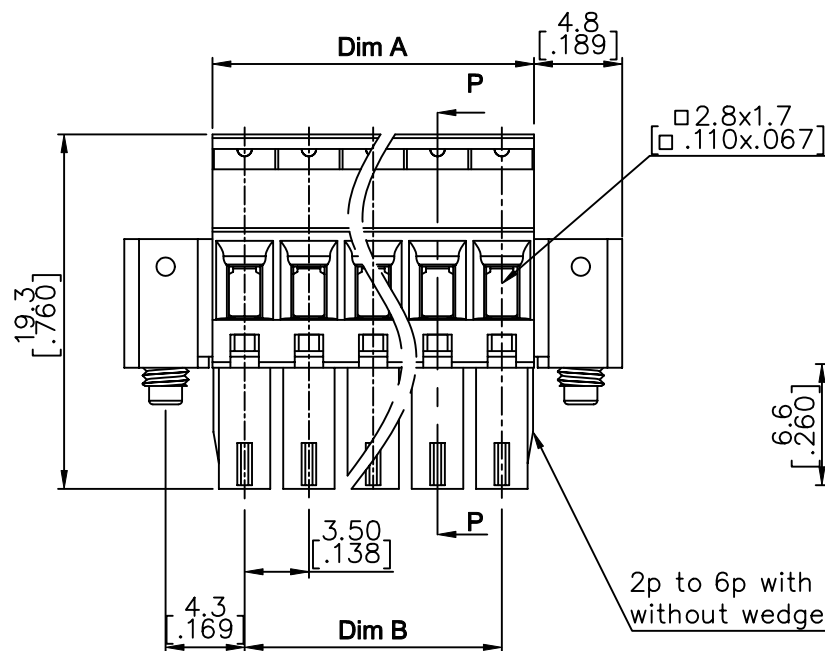
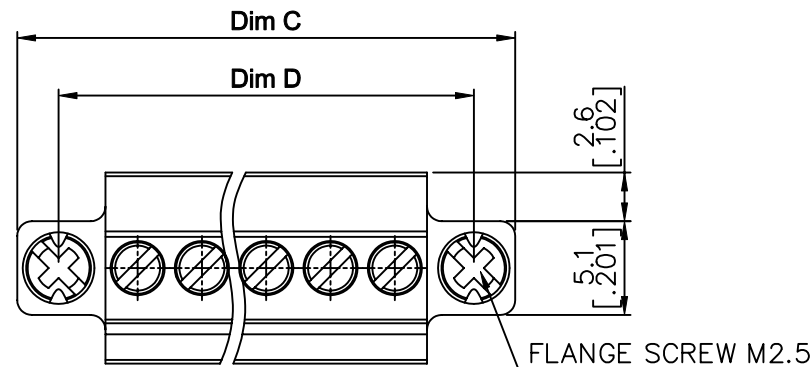
DETAILED PRODUCT PACKING SPECIFICATION REFER TO FCI GS-14-1394.

4. FCI, SAFETY CERTIFICATE LOGO AND SERIES NAME TO BE SHOWN ON PRODUCT SURFACE.

5. THE PRODUCTS WHERE THE PART NUMBER END IN "LF" MEET THE EUROPEAN UNION DIRECTIVE AND OTHER COUNTRY REGULATIONS AS DESCRIBED IN GS-22-008.

mat'l. code				surface ASME Y14.5	tolerance ASME Y14.5	projection 	product family TERMINAL BLOCK
ltr	ecn no	dr	date	tolerances unless otherwise specified			title
A	T10-0062	WL	050710	angles	X.±0.5[.020]	MM	TERMINAL BLOCK
B	T10-0127	WL	080910	to 1°	X.X±0.3[.012]	INCH	PLUGGABLE PLUG, SIGNAL, ENTRYSIDE HOOK
C	T10-0140	WL	090310	X'±1°	X.XX±0.1[.004]	scale	W/FLANGE
D	T10-0155	WL	093010	dr	WENDY CHEN	042310	sheet 1 of 5
E	T10-0187	WL	121410	enr	JASON HSU	042310	size
F	T11-0013	WL	040811	chr	GARY HSIEH	042310	20020009
G	T-004860	WL	080411	appd	JOSEPH HSIA	042310	A4
sheet	revision	G	G	G	G	G	type
index	sheet	1	2	3	4	5	CUSTOMER Drawing

PRODUCT NUMBER	SERIES NAME	PITCH
20020009-CXXXXXL	02-350	3.50 mm



N = Number of poles

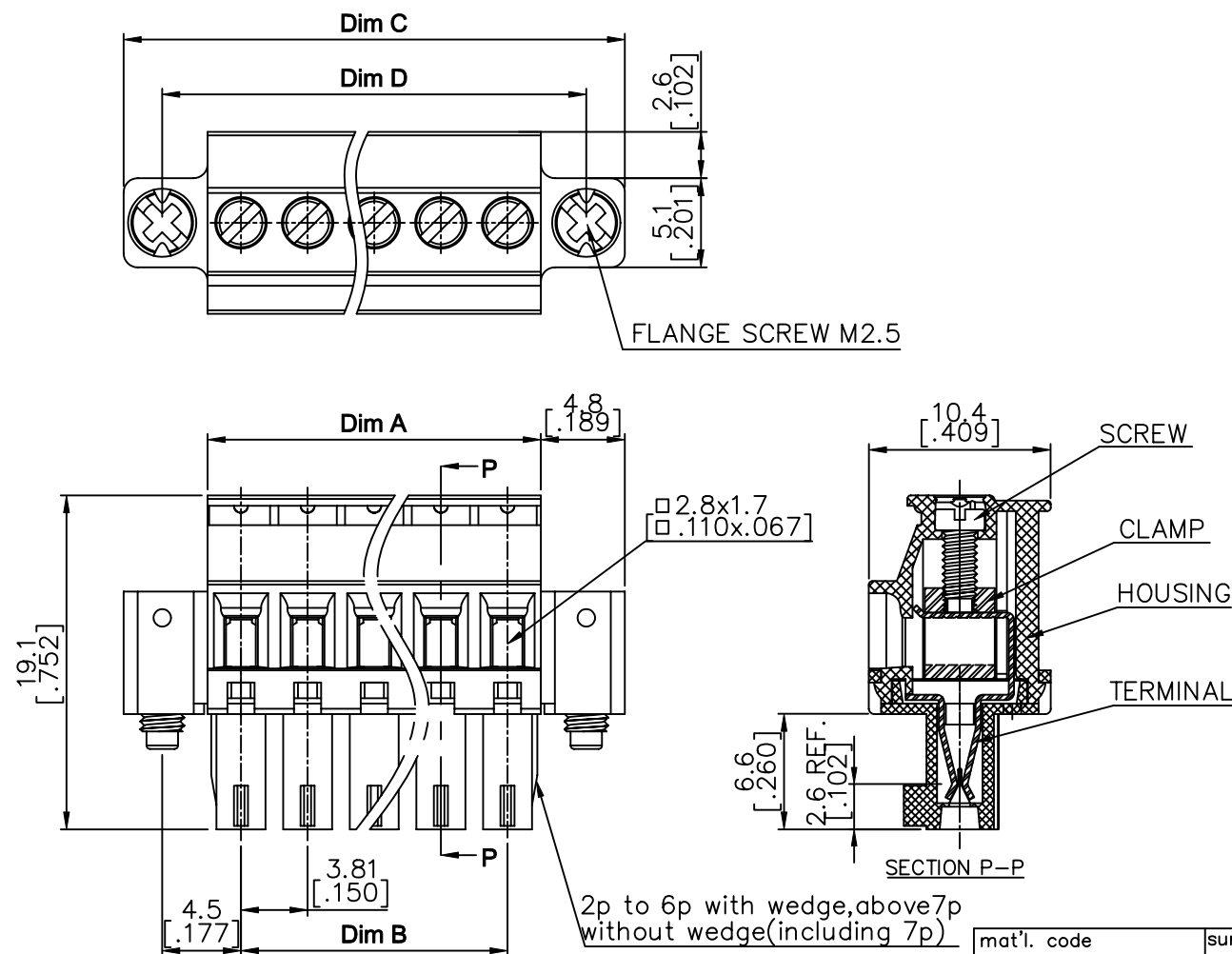
Dim A	NX3.5[.138]
Dim B	(N-1)X3.5[.138]
Dim C	NX[.138]3.5+9.6[.378]
Dim D	(N-1)X3.5[.138]+8.6[.339]

Poles	Tolerance
2p-6p	±0.15[.006]
7p-12p	±0.20[.008]
13p-16p	±0.25[.100]
17p-24p	±0.30[.012]

2p to 6p with wedge, above 7p without wedge (including 7p)

mat'l. code				surface	tolerance	projection	product family
ltr				ASME Y14.5	ASME Y14.5	MM	TERMINAL BLOCK
ecn no				tolerances unless otherwise specified			title
dr				angles	X.±0.5[.020]	INCH	TERMINAL BLOCK
engr				X'±1"	X.X±0.3[.012]	scale	PLUGGABLE PLUG, SIGNAL, ENTRY SIDE HOOK
chr					X.XX±0.1[.004]		W/FLANGE
appd				dr	WENDY CHEN 042310	FCI	sheet 2 of 5 size
sheet index				engr	JASON HSU 042310		20020009
revision				chr	GARY HSIEH 042310		A4
sheet				appd	JOSEPH HSIA 042310		CUSTOMER Drawing

PRODUCT NUMBER	SERIES NAME	PITCH
20020009-DXXXXXXLF	02-381	3.81 mm



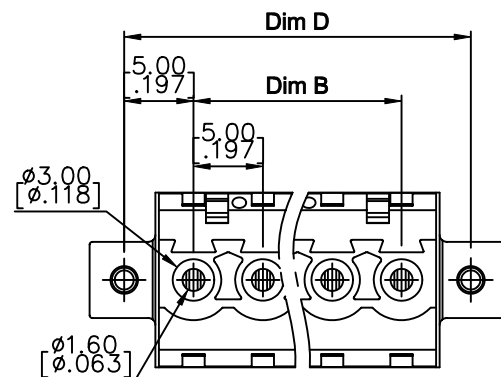
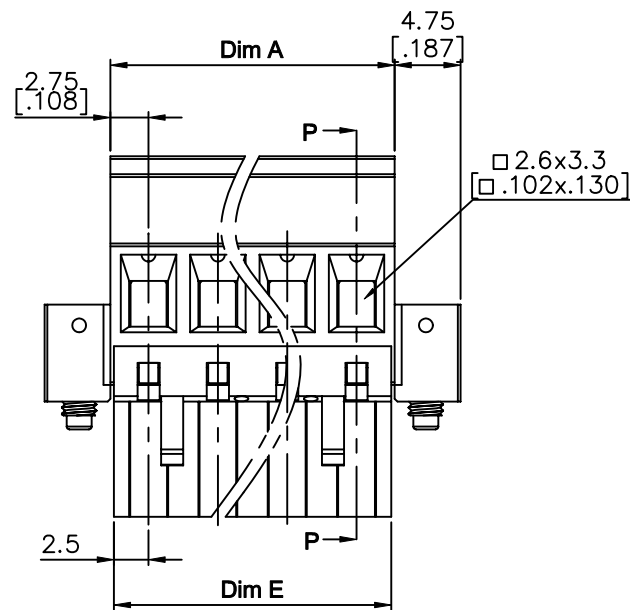
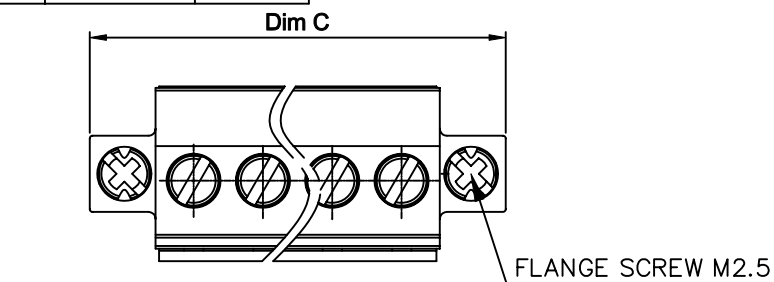
N = Number of poles

Dim A	NX3.81[.150]
Dim B	(N-1)X3.81[.150]
Dim C	NX3.81[.150]+9.6[.378]
Dim D	(N-1)X3.81[.150]+9.0[.354]

Poles	Tolerance
2p-6p	±0.15[.006]
7p-12p	±0.20[.008]
13p-16p	±0.25[.100]
17p-24p	±0.30[.012]

mat'l. code				surface ASME Y14.5 ✓	tolerance ASME Y14.5	projection MM INCH	product family TERMINAL BLOCK
ltr	ecn	no	dr	tolerances unless otherwise specified			title
G				angles	X.±0.5[.020] X.X±0.3[.012] X°±1° X.XX±0.1[.004]	scale	TERMINAL BLOCK PLUGGABLE PLUG, SIGNAL, ENTRY SIDE HOOK W/FLANGE
			dr	WENDY CHEN	042310	FCI	sheet 3 of 5 size
			enr	JASON HSU	042310		20020009 A4
			chr	GARY HSIEH	042310		
			appd	JOSEPH HSIA	042310		
sheet index	revision	sheet					type CUSTOMER Drawing

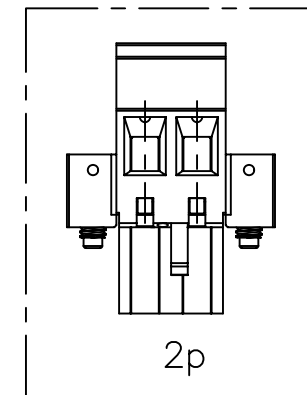
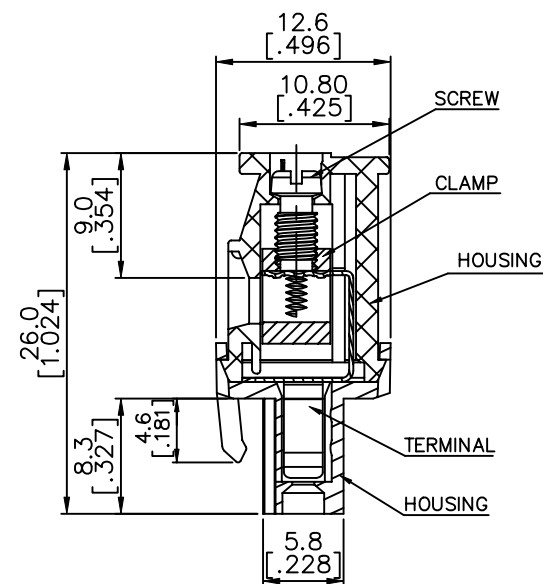
PRODUCT NUMBER	SERIES NAME	PITCH
20020009-GXXXXXXLF	02-500	5.00 mm



N = Number of poles

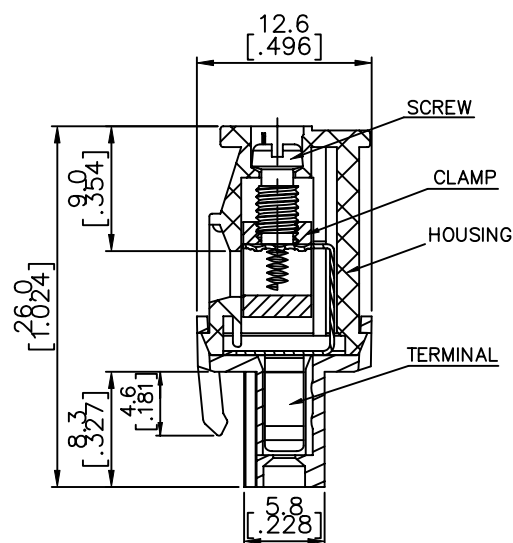
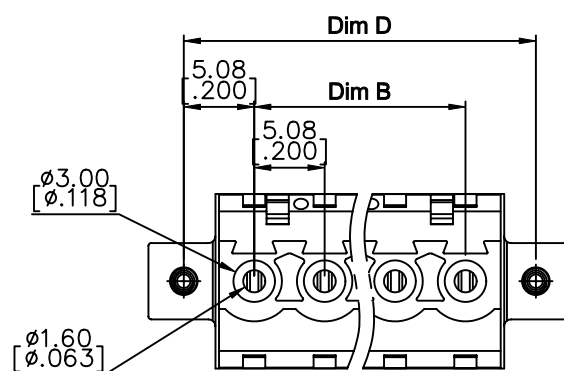
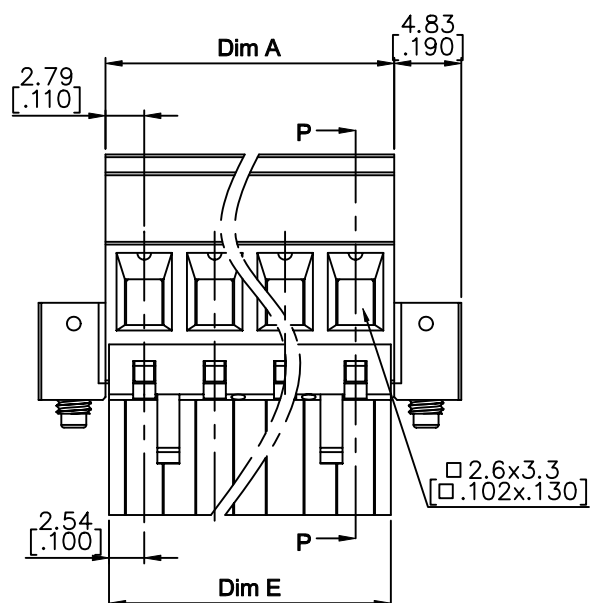
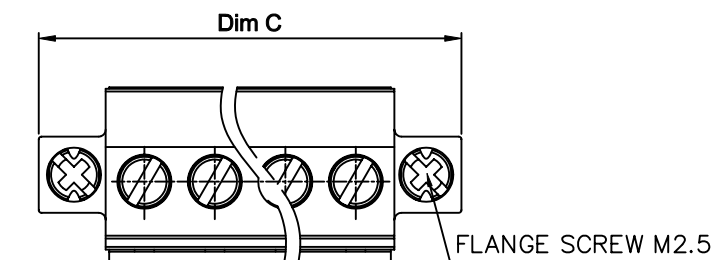
Dim A	$N \times 5.0 [.197] + 0.5 [.020]$
Dim B	$(N-1) \times 5.0 [.197]$
Dim C	$N \times 5.0 [.197] + 10.0 [.394]$
Dim D	$(N+1) \times 5.0 [.197]$
Dim E	$N \times 5.0 [.197]$

Poles	Tolerance
2p-6p	$\pm 0.15 [.006]$
7p-12p	$\pm 0.25 [.010]$
13p-18p	$\pm 0.30 [.012]$
19p-24p	$\pm 0.40 [.016]$



mat'l. code	surface ASME Y14.5	tolerance ASME Y14.5	projection MM INCH	product family TERMINAL BLOCK
ltr	ecn no	dr	date	title TERMINAL BLOCK PLUGGABLE PLUG, SIGNAL, ENTRYSIDE HOOK W/FLANGE
G				scale
	angles	tolerances unless otherwise specified		
	X $\pm 1^\circ$	X $\pm 0.5 [.020]$ X.X $\pm 0.3 [.012]$ X.XX $\pm 0.1 [.004]$		
	dr	WENDY CHEN	042310	
	enr	JASON HSU	042310	
	chr	GARY HSIEH	042310	
	appd	JOSEPH HSIA	042310	
sheet index	revision sheet			type CUSTOMER Drawing

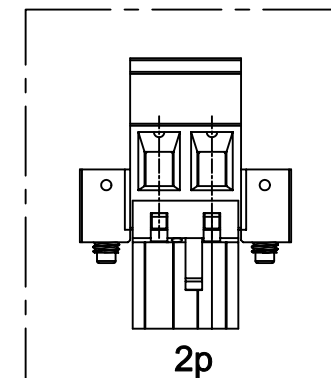
PRODUCT NUMBER	SERIES NAME	PITCH
20020009-HXXXXXXLF	02-508	5.08 mm



N = Number of poles

Dim A	NX5.08[.200]+0.5[.020]
Dim B	(N-1)X5.08[.200]
Dim C	NX5.08[.200]+9.66[.380]
Dim D	(N+1)X5.08[.200]
Dim E	NX5.08[.200]

Poles	Tolerance
2p-6p	±0.15[.006]
7p-12p	±0.20[.008]
13p-18p	±0.30[.012]
19p-24p	±0.40[.016]



mat'l. code	surface ASME Y14.5	tolerance ASME Y14.5	projection MM INCH	product family TERMINAL BLOCK
ltr	ecn no	dr	date	title TERMINAL BLOCK PLUGGABLE PLUG, SIGNAL, ENTRYSIDE HOOK W/FLANGE
G				sheet 5 of 5 size
				20020009 A4
				type CUSTOMER Drawing
sheet index	revision sheet			