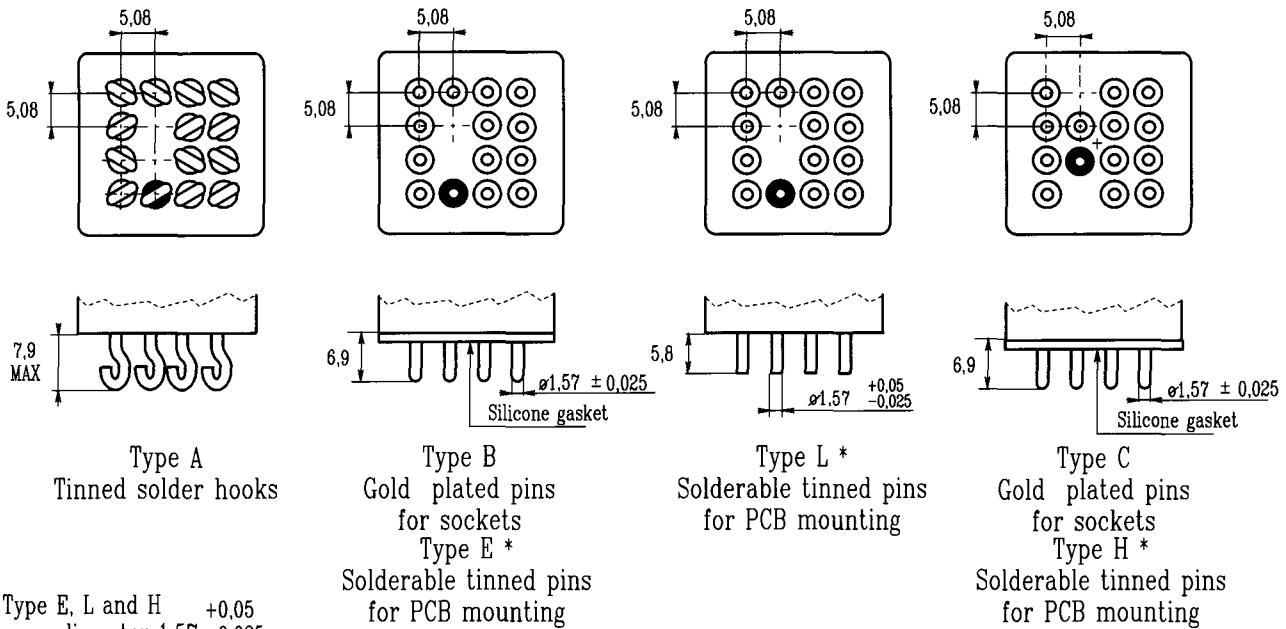


TERMINATION STYLES

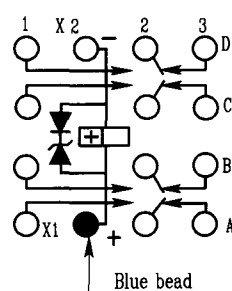
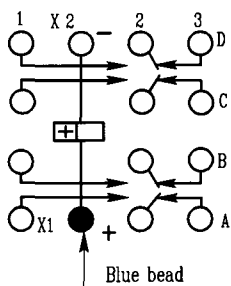
DC Version

AC version
50-400 Hz



CONNECTION DIAGRAM (non energized coil)

Viewed from terminals side

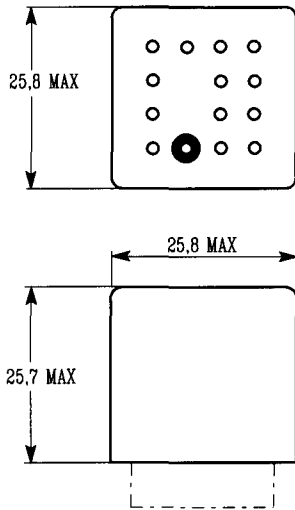


COIL CHARACTERISTICS

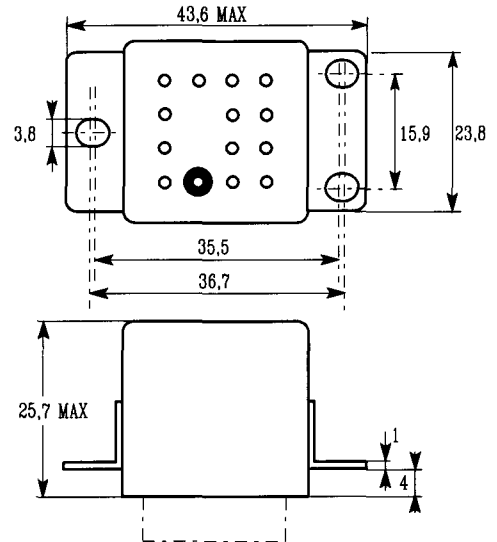
COIL CODE	DC									AC 50-400 Hz	
	K	A	B	C	D	E	F	H	L	M	P
Nominal coil Voltage	6	9	12	18	24	36	48	72	110	110	220
Max pull in voltage at 85° C	4	6	8	12	16	25	33,5	48	76	76	152
Min hold in voltage at 85° C	3,5	5,2	7	10,5	14	21	28,5	40,5	64	64	128
Min drop out voltage at -40° C	0,5	0,7	1	1,5	2	3	4	6	10,5	10,5	21
Coil resistance (ohms \pm 8% at 25° C)	18	38	70	155	210	550	955	1920*	5000	-	-
Max exported spike	44	44	44	44	44	122	122	203	203		

* except H400 relays for which the coil resistance is 2 650 Ω , see page 15

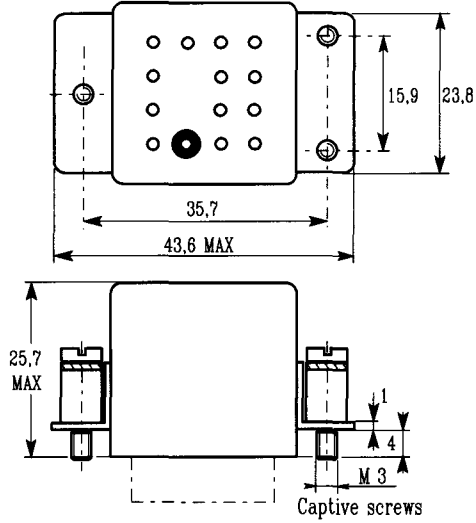
MOUNTING STYLES



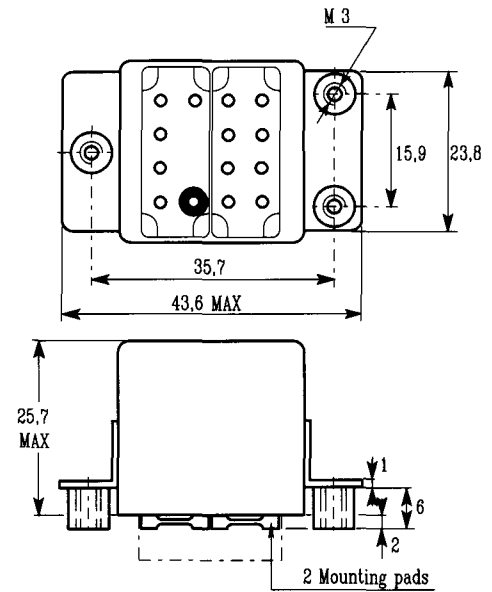
Housing 1



Housing 2



Housing 10



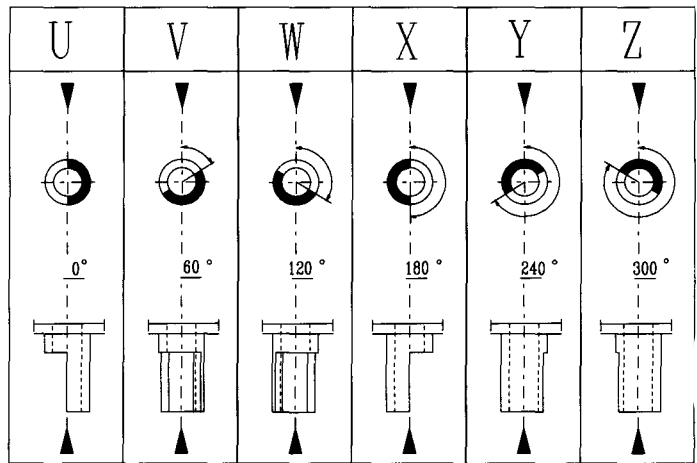
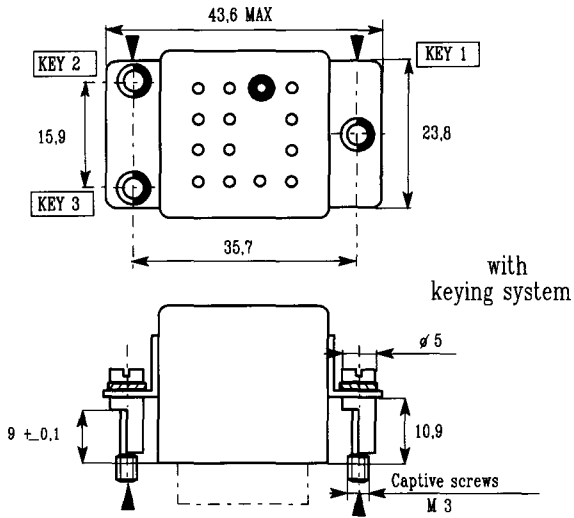
Housing 19

Coupling torque 0,45 m.N

POLARIZED RELAYS ETP 4
4 PDT

SERIES
ETP 4

MOUNTING STYLES



Housing 18

Coupling torque 0,45 m.N

Coil	Reference	keying system		
		key 1	key 2	key 3
6 Vdc	ETP 4 1K18 B	V	Z	V
9 Vdc	ETP 4 1A18 B	W	Z	V
12 Vdc	ETP 4 1B18 B	X	Z	V
18 Vdc	ETP 4 1C18 B	Z	Z	U
24 Vdc	ETP 4 1D18 B	U	Z	U
36 Vdc	ETP 4 1E18 B	Y	Z	U
48 Vdc	ETP 4 1F18 B	V	Z	U
72 Vdc	ETP 4 1H18 B	W	Z	U
110 Vdc	ETP 4 1L18 B	X	Z	U
110 Vac	ETP 4 1M18 C	U	Z	V
220 Vac	ETP 4 1P18 C	Y	Z	V

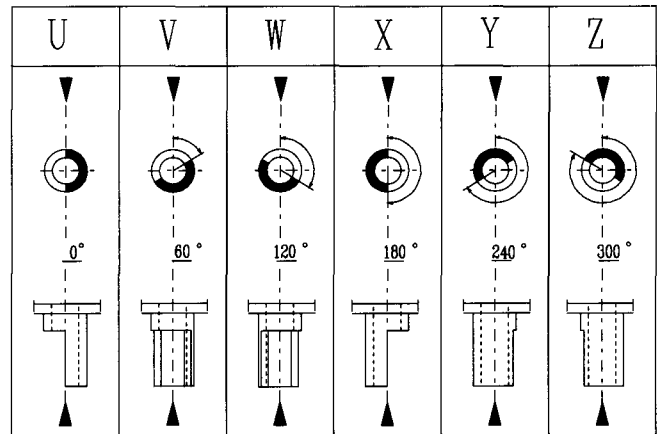
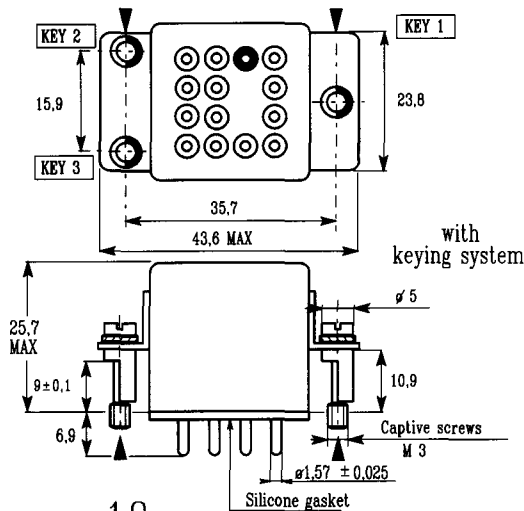
Reference	keying system		
	key 1	key 2	key 3
ETP S 4 1K18 B	V	Z	X
ETP S 4 1A18 B	W	Z	X
ETP S 4 1B18 B	X	Z	X
ETP S 4 1C18 B	Z	Z	W
ETP S 4 1D18 B	U	Z	W
ETP S 4 1E18 B	Y	Z	W
ETP S 4 1F18 B	V	Z	W
ETP S 4 1H18 B	W	Z	W
ETP S 4 1L18 B	X	Z	W

POLARIZED RELAYS ETP 4
4 PDT

SERIES
ETP 4

Relays references in accordance with SNCF NF 62-002 FP n°9

MOUNTING STYLES



Housing 18

Coupling torque 0,45 m.N

Coil	SNCF part number	DEUTSCH part number	Load level	Contact reference			
				A	B	C	D
24 Vdc 36 Vdc 48 Vdc 72 Vdc 110 Vdc	H400-24-UUU H400-36-YUU H400-48-VUU H400-72-WUU H400-110-XUU	ETP 4 1D18 B U U U ETP 4 1E18 B Y U U ETP 4 1F18 B V U U ETP 4 1H18 B W U U ETP 4 1L18 B X U U	low				
			high	X	X	X	X
24 Vdc 36 Vdc 48 Vdc 72 Vdc 110 Vdc	H400-24-UVU H400-36-YVU H400-48-VVU H400-72-WVU H400-110-XVU	ETP 4 1D18 B U V U ETP 4 1E18 B Y V U ETP 4 1F18 B V V U ETP 4 1H18 B W V U ETP 4 1L18 B X V U	low	X			
			high		X	X	X
24 Vdc 36 Vdc 48 Vdc 72 Vdc 110 Vdc	H400-24-UWU H400-36-YWU H400-48-VWU H400-72-WWU H400-110-XWU	ETP 4 1D18 B U W U ETP 4 1E18 B Y W U ETP 4 1F18 B V W U ETP 4 1H18 B W W U ETP 4 1L18 B X W U	low	X	X		
			high			X	X
24 Vdc 36 Vdc 48 Vdc 72 Vdc 110 Vdc	H400-24-UXU H400-36-YXU H400-48-VXU H400-72-WXU H400-110-XXU	ETP 4 1D18 B U X U ETP 4 1E18 B Y X U ETP 4 1F18 B V X U ETP 4 1H18 B W X U ETP 4 1L18 B X X U	low	X	X	X	
			high				X
24 Vdc 36 Vdc 48 Vdc 72 Vdc 110 Vdc	H400-24-UYU H400-36-YYU H400-48-VYU H400-72-WYU H400-110-XYU	ETP 4 1D18 B U Y U ETP 4 1E18 B Y Y U ETP 4 1F18 B V Y U ETP 4 1H18 B W Y U ETP 4 1L18 B X Y U	low	X	X	X	X
			high				