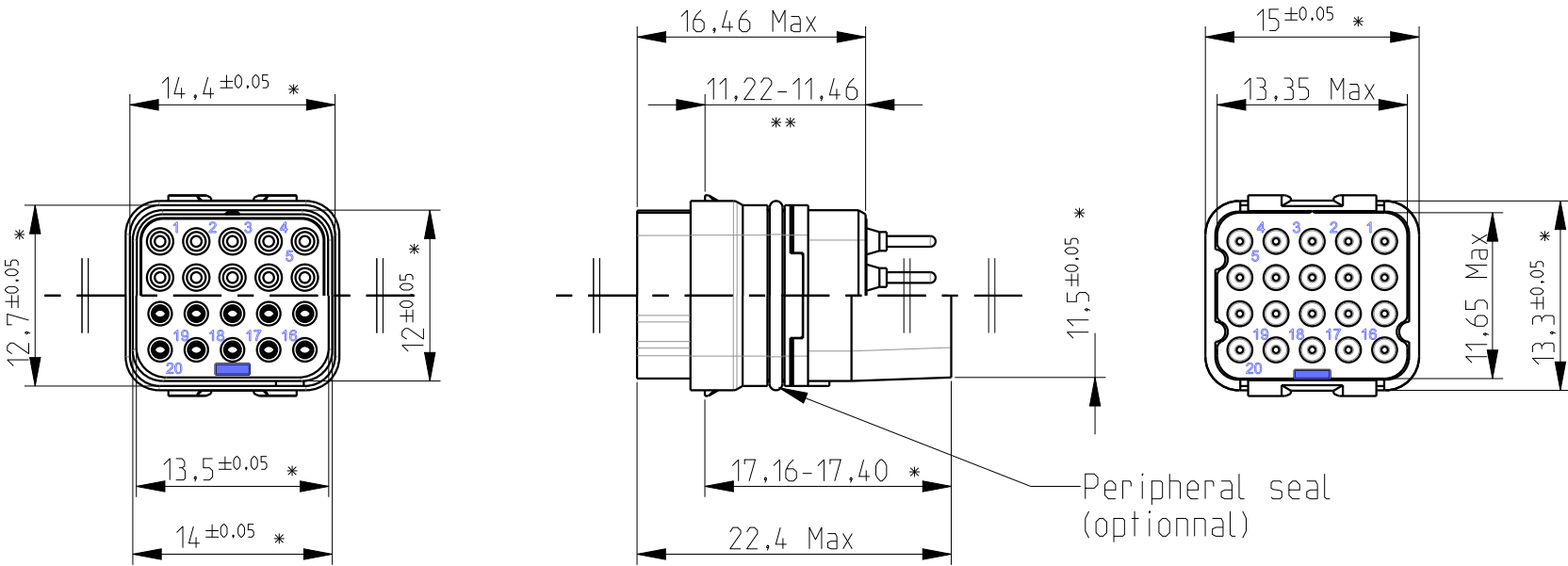


FOR MODULES

	20-22	12-20	08-16	04-12	99-01	99-10	09-36
MALE							
FEMALE							

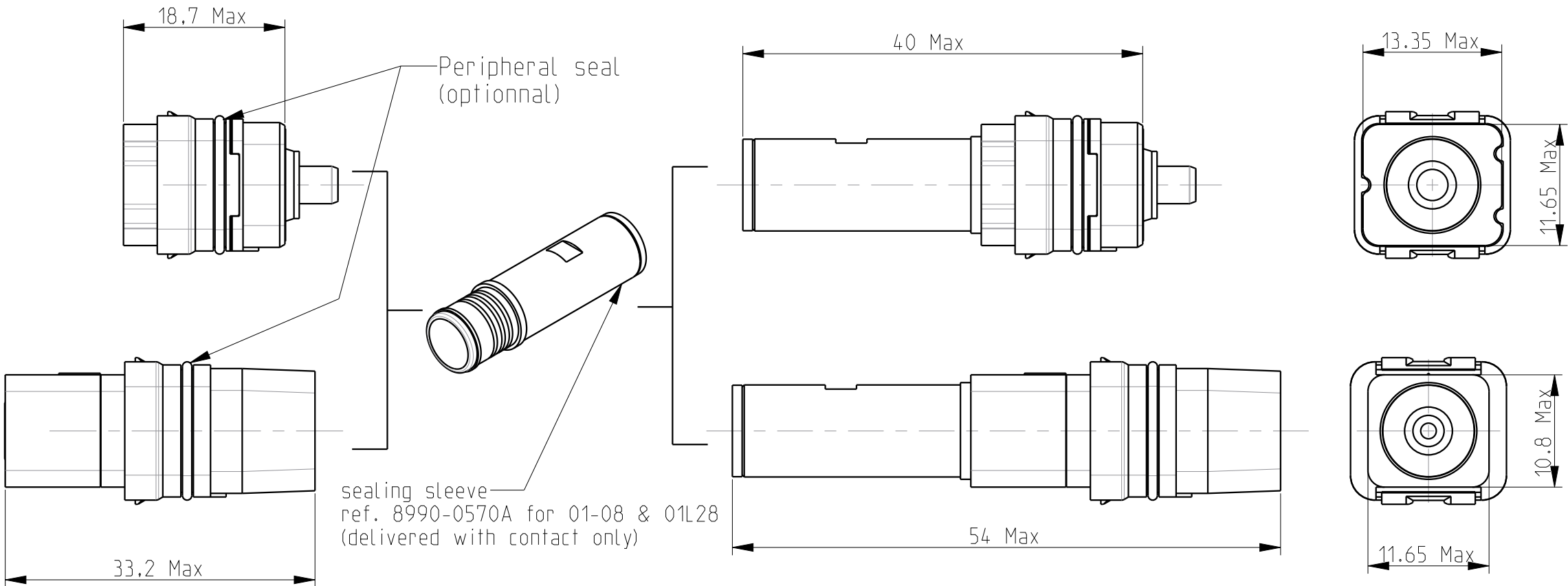
* : cotation also available for 01-08 / 01L28 / 00-00 modules
** : cotation also available for 01-08 / 01L28 modules



FOR MODULE

01-08 & 01L28

MALE		(01-08 for example)
FEMALE		(01-08 for example)



FOR MODULE

00-00

MALE		Lightweight version
FEMALE		Peripheral seal (optionnal)

DESIGNATION SOURIAU

BASIC SERIE	8MQ	2	M	20-22	P	N	E	-
2 = Serie 2								
M = Module								
Layout								
Dash = No grounding								
L = No grounding, quadrax contact								
P = Male module delivered with contacts								
S = Female module delivered with contacts								
A = Male module delivered without contacts								
B = Female module delivered without contacts								
N, A, B, C, D = Polarization								
None = Without peripheral sealing								
E = With peripheral sealing								
None = Without protection cap								
S = With protection cap								
M = With antistatic protection cap								

characteristics:
- Insulator : Thermoplastic
- Grommet and interfacial seal : Silicon elastomer
- Contacts : copper alloy
- Contacts plating : Gold over nickel 0.8µ

DESIGNATION EN4165 (modules)

BASIC SERIE	EN4165	A	20-22	1	N	M
A = Serie 2						
Layout						
Dash = No grounding						
L = No grounding, quadrax contact						
1 = Without peripheral sealing						
2 = With peripheral sealing						
N, A, B, C, D = polarization						
M = Male module delivered with contacts						
F = Female module delivered with contacts						
A = Male module delivered without contacts						
B = Female module delivered without contacts						

DESIGNATION EN4165 (blank modules)

BASIC SERIE	EN4165-	1	N	L
1 = Without peripheral sealing				
2 = With peripheral sealing				
N = Polarization (N only)				
L = Lightweight version				

CONTACTS

Layout	#	Qty
20-22	22D	20
12-20	20	12
08-16	16	8
04-12	12	4
99-01	22D	5
	16	6
99-10	20	8
	16	2
09-36	22D	6
	20	3
01-08	8	1
01L28	8Q	1
00-00	no contact	

Technical requirements

- Voltage proof test (Sea Level) :
 - #22 = 1300 V r.m.s.
 - #20/#16/#12/#8(Q) = 1500 V r.m.s.
- Insulation resistance = 5000 MΩ
- Climatic sequence : -55°C/+175°C
- Fluid resistance : See standard EN 4165-001 (table 40)
- Contact retention in insert :
 - #22 = 44 N
 - #20 = 67 N
 - #16/#12/#8/#8Q = 110 N
- The use of sealing plugs or dummy contacts is mandatory for all unused cavities

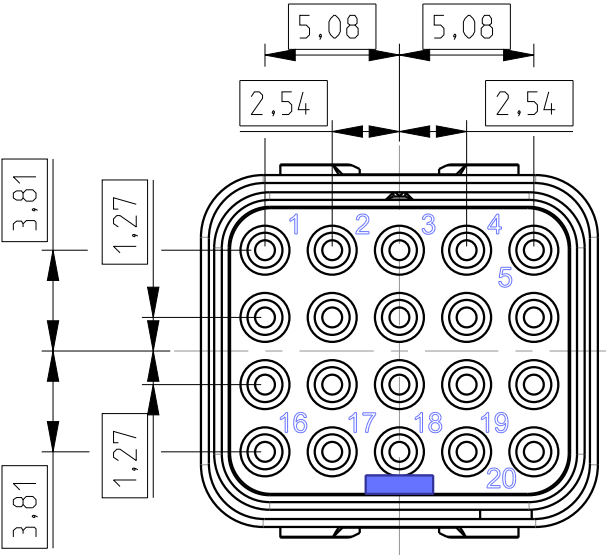
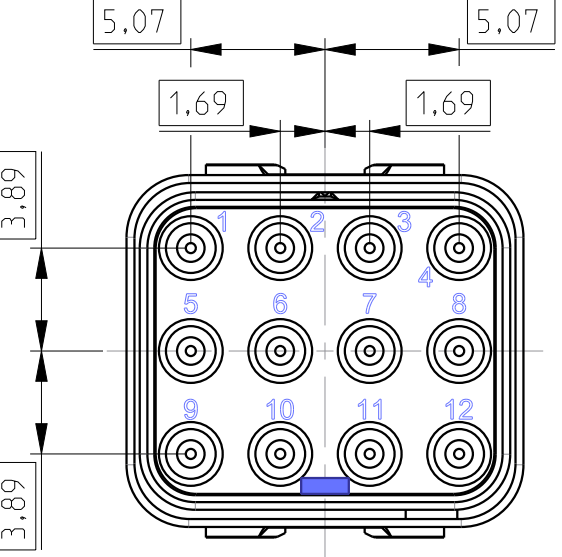
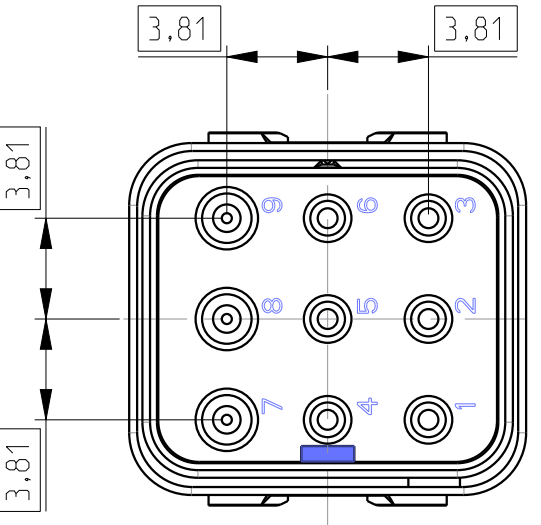
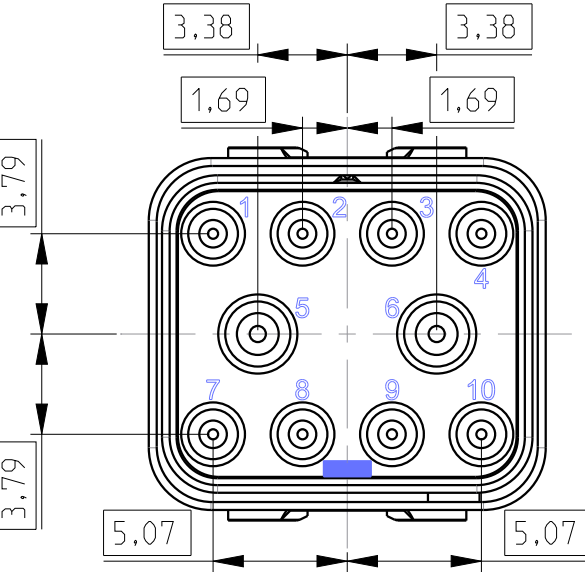
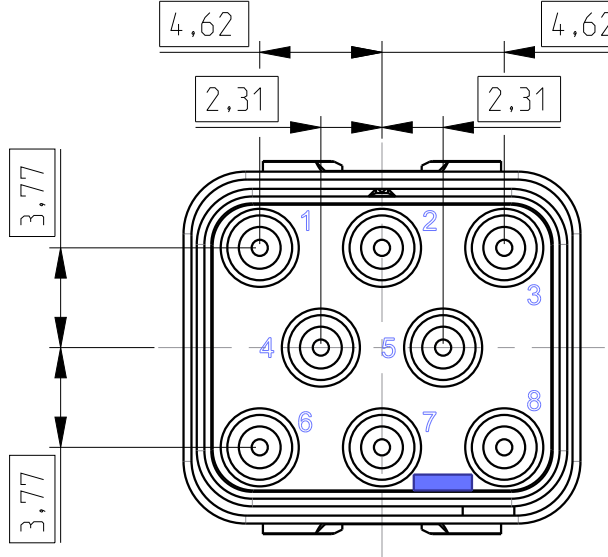
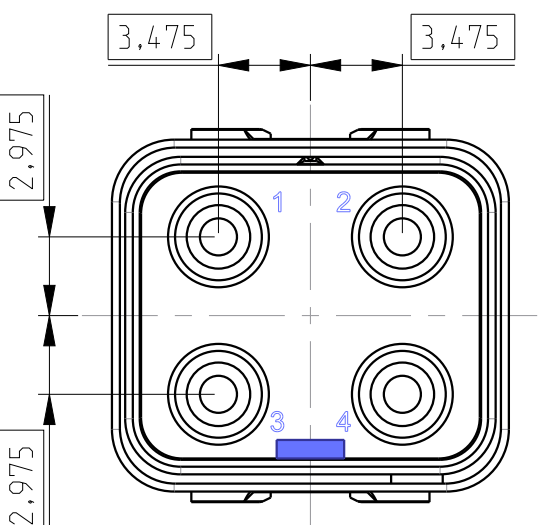
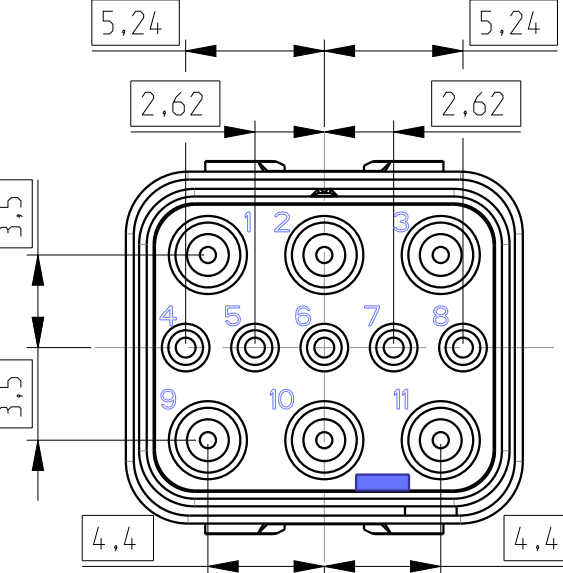
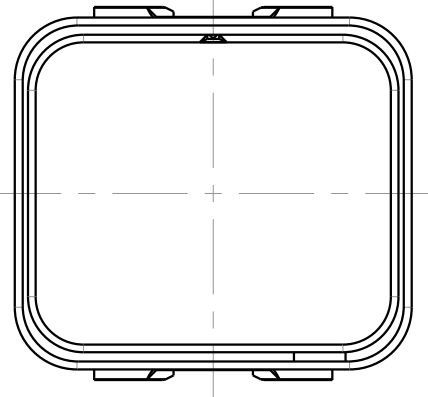
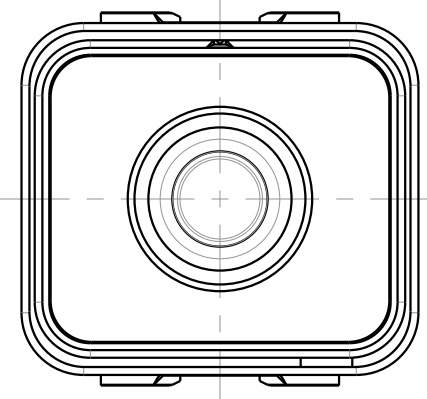
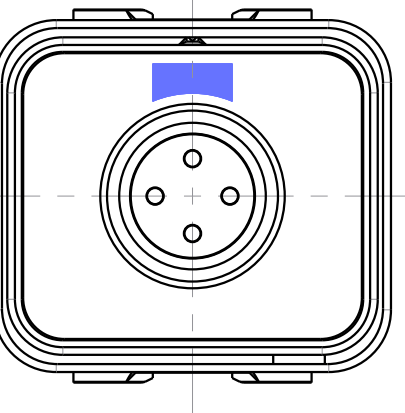
Layout	Weight (g)	
	With contacts ±5%	
	Male module	Female module
20-22	4.32	6.81
12-20	4.36	6.06
08-16	5.16	6.63
04-12	5.29	6.19
99-01	4.96	6.69
99-10	4.46	6.08
09-36	3.89	5.69
01-08	6.70	10.96
01L28	7.60	10.13
00-00	1.44	N/C
Values for information purposes		

Colors no contractuels

Country	Jurisdiction & Control List
FR	NOT LISTED

P/N : SEE TABLE

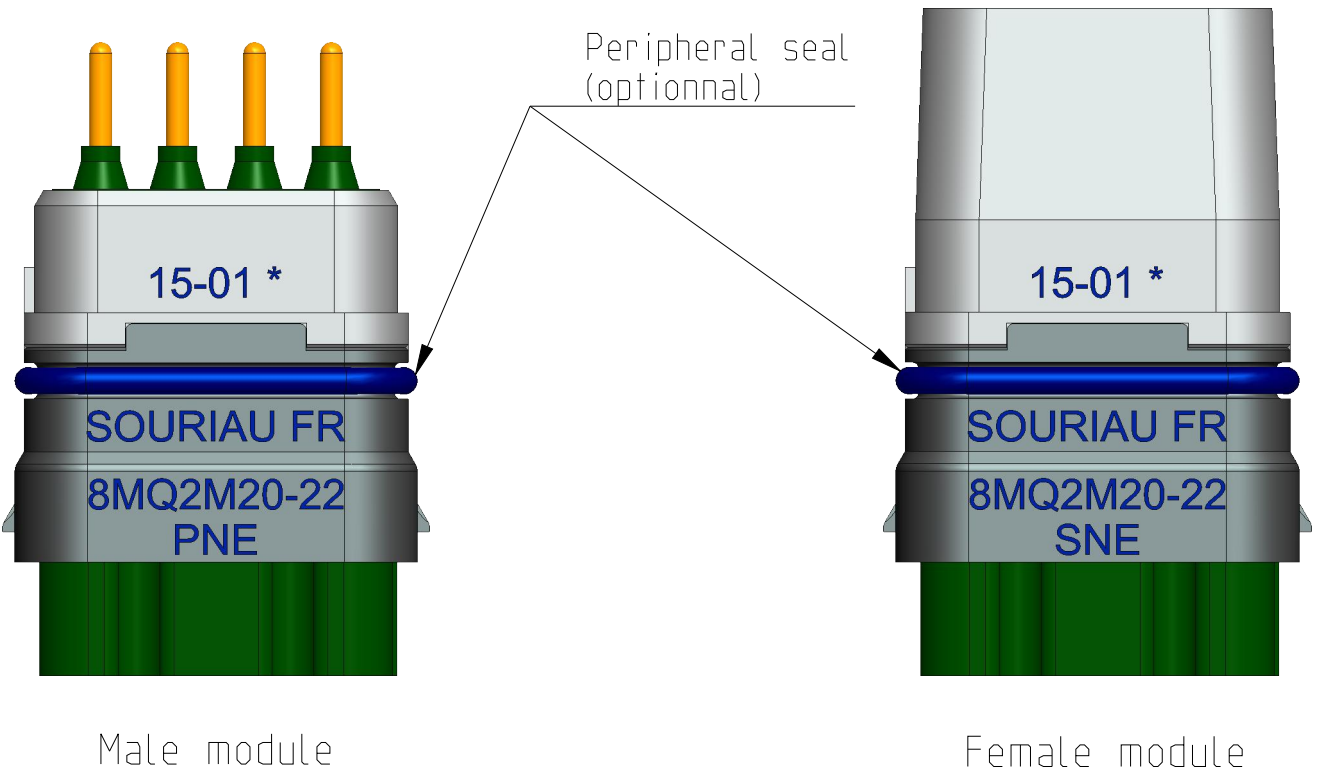
F	10/05/19	drawing update for EN4165 creation modules		23536BM
		Add marking and codification EN4165 version		
ISS	DATE	Latest modification - by: E.FOREST		MOD N°
Designed by:		N.AUFFRET Date:24/07/15	CUSTOMER DRAWING	
TITLE		MODULES - BASIC SERIE 8MQ		
		COMPLIANT WITH EN4165/BAC110BC/ARINC 809		
Scale		General linear Tolerances: ± --	NPRDS / PROJECT BE133701A	
2/1				
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FORMAT	SOURIAU DRG N° C001-8MQ-A			SHEET 1 / 2
A2				

H		G		F		E		D		C		B		A	
LAYOUT		POSITIONNING VIEW OF FRONT FACE OF MALE MODULE & REAR FACE OF FEMALE MODULE		LAYOUT		POSITIONNING VIEW OF FRONT FACE OF MALE MODULE & REAR FACE OF FEMALE MODULE		LAYOUT		POSITIONNING VIEW OF FRONT FACE OF MALE MODULE & REAR FACE OF FEMALE MODULE		LAYOUT		POSITIONNING VIEW OF FRONT FACE OF MALE MODULE & REAR FACE OF FEMALE MODULE	
20-22 20 cts #22D				12-20 12 cts #20				09-36 6 cts #22D + 3 cts #20				99-10 8 cts #20 + 2 cts #16			
08-16 8 cts #16				04-12 4 cts #12				99-01 5 cts #22D + 6 cts #16				00-00 No contacts		NO MARKING 	
01-08 1 ct #8		NO MARKING 		01L28 1 ct #8 Quadrax											

MARKING

Marking exemple :

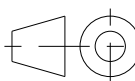
15-01 *
Date code
(Year-Week)
* = Manufacturing location
- France : None
- Maroc : T
SOURIAU FR
8MQ2M20-22 PNE
or
EN4165A 20-222NM
or
EN4165-1NL
Part number module SOURIAU
or
Part number module EN4165
Part number blank module EN4165



Colors no contractuels

Country	Jurisdiction & Control List
FR	NOT LISTED

P/N : SEE TABLE

F		10/05/19		drawing update for EN4165 creation modules Add marking and codification EN4165 version		23536BM	
ISS		DATE		Latest modification - by: E.FOREST		MOD N°	
Designed by: N.AUFFRET				Date:24/07/15		CUSTOMER DRAWING	
TITLE		MODULES - BASIC SERIE 8MQ					
		COMPLIANT WITH EN4165/BAC110BC/ARINC 809					
Scale 4/1				General Linear Tolerances: ± --		NPRDS / PROJECT BE133701A	
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FORMAT A2		SOURIAU DRG N° C001-8MQ-A					SHEET 2 / 2