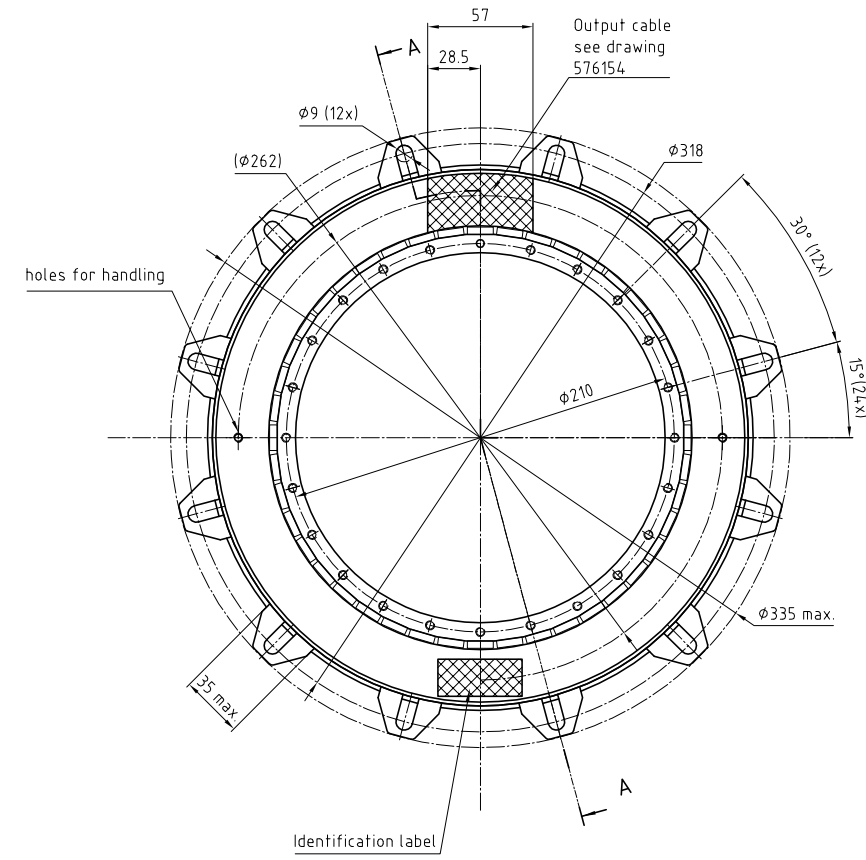
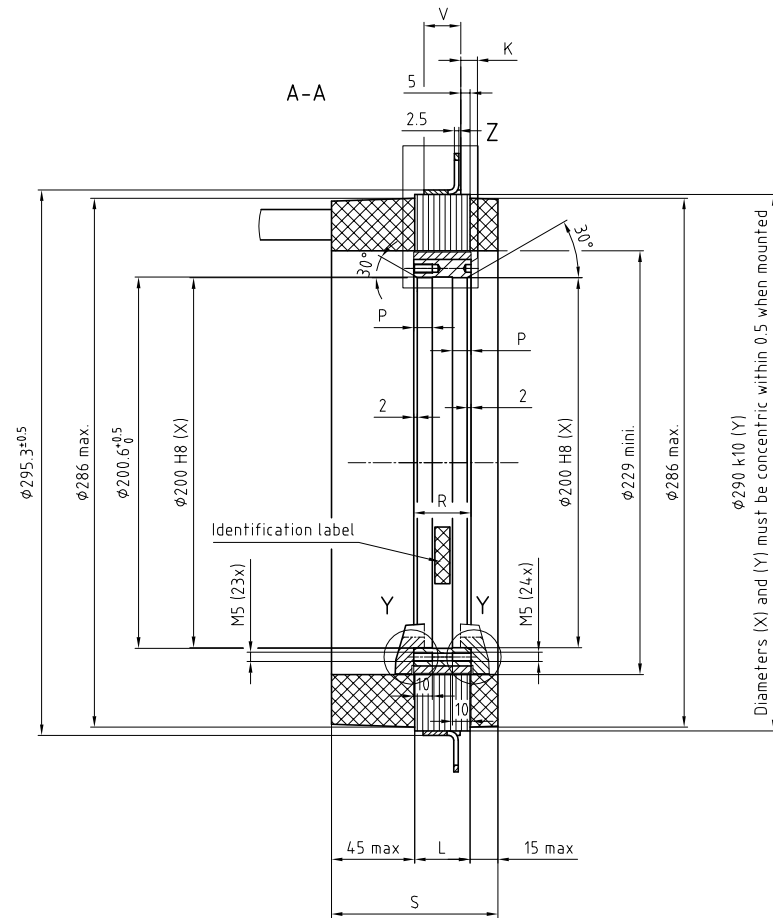
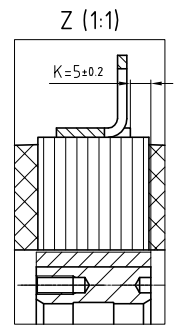


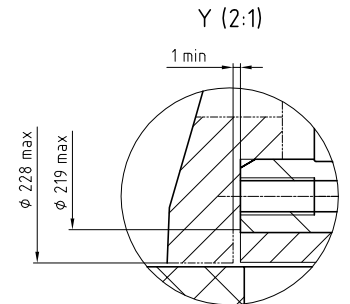
TML0291-###-3###-###
Lug at the opposite side of output cables



Mounting condition



Detail : Y
Magnets safety clearance

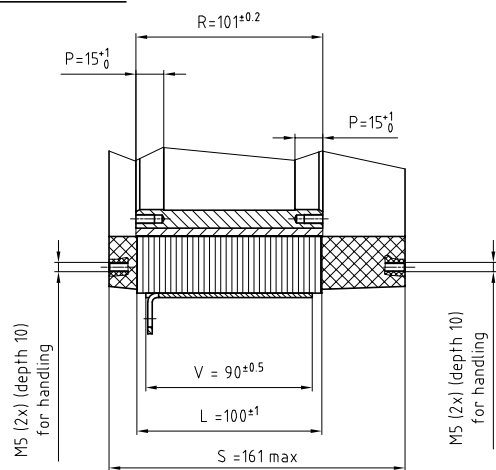


Power cable connection

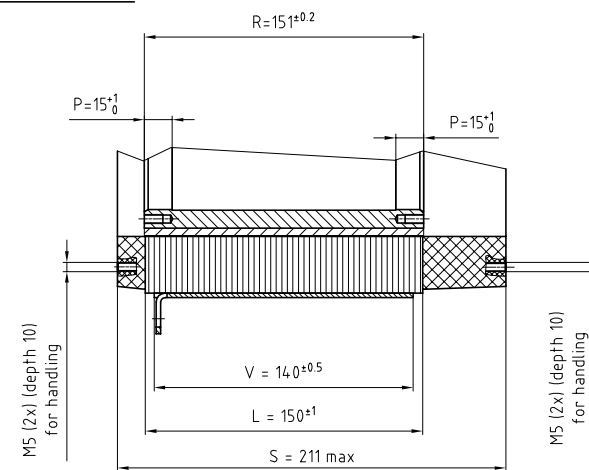
- Phase 1 = Wire 1
- Phase 2 = Wire 2
- Phase 3 = Wire 3
- Ground = Wire yellow-Green
- Neutral = Wire 5 or Br1 or White
- Not connected = Wire 6 or Br2 or Black

For temperature sensor configuration, see Handbook

TML0291-100



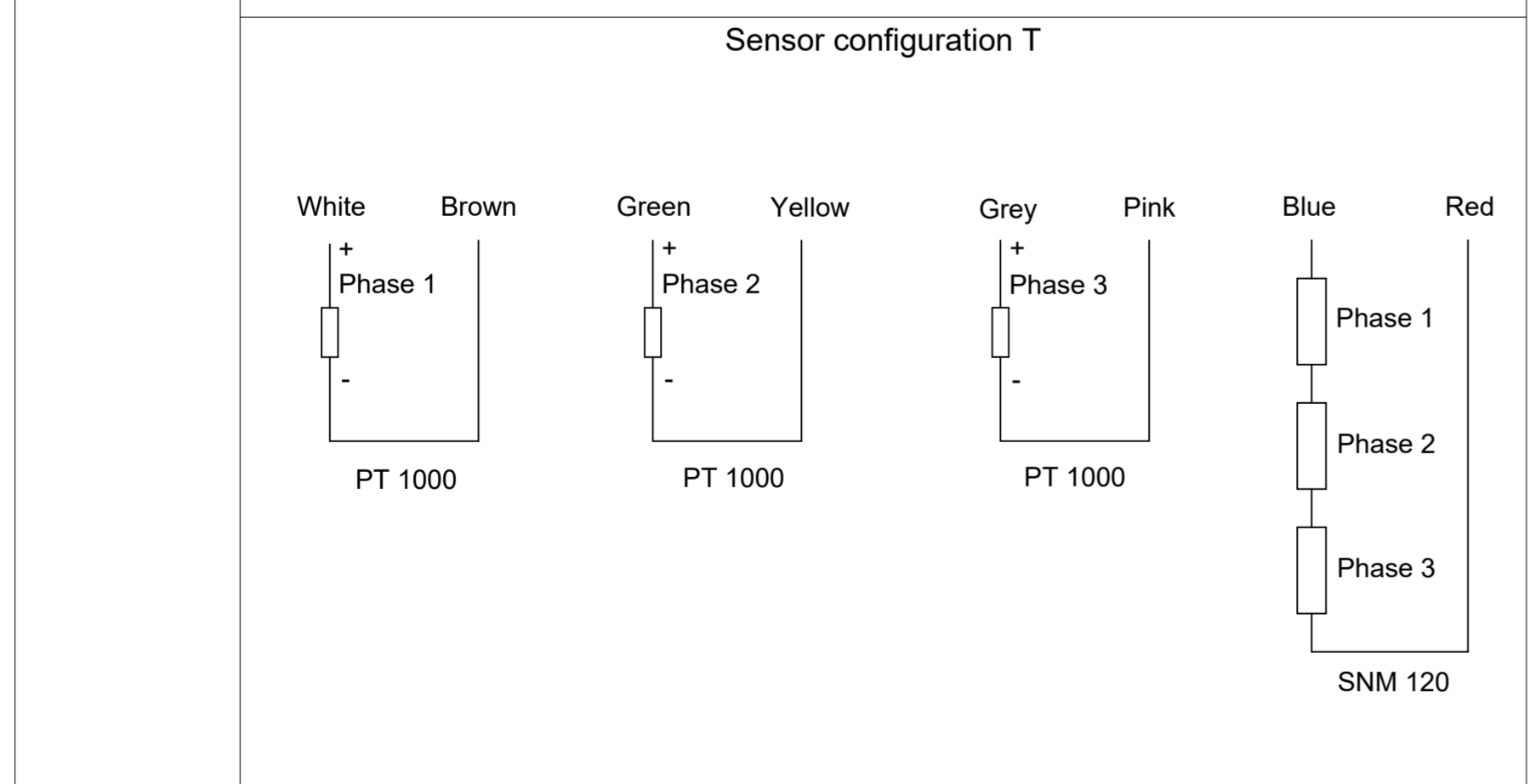
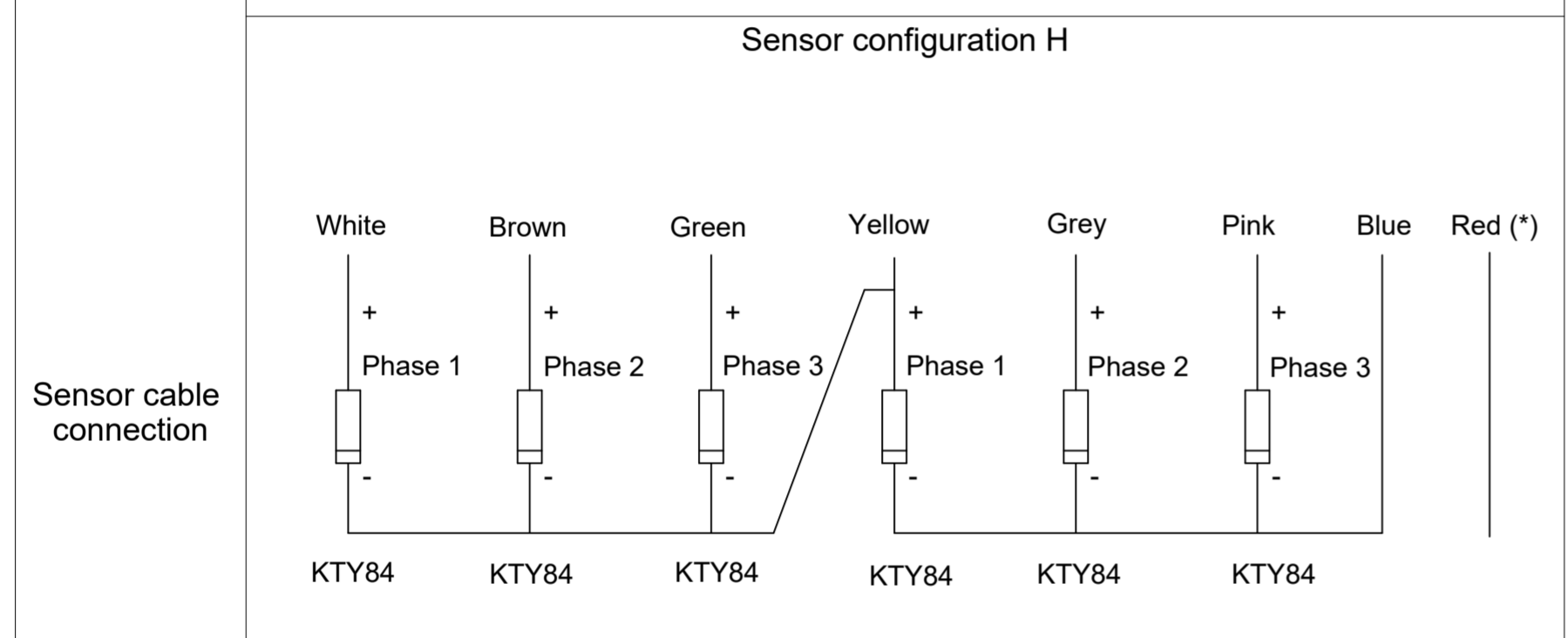
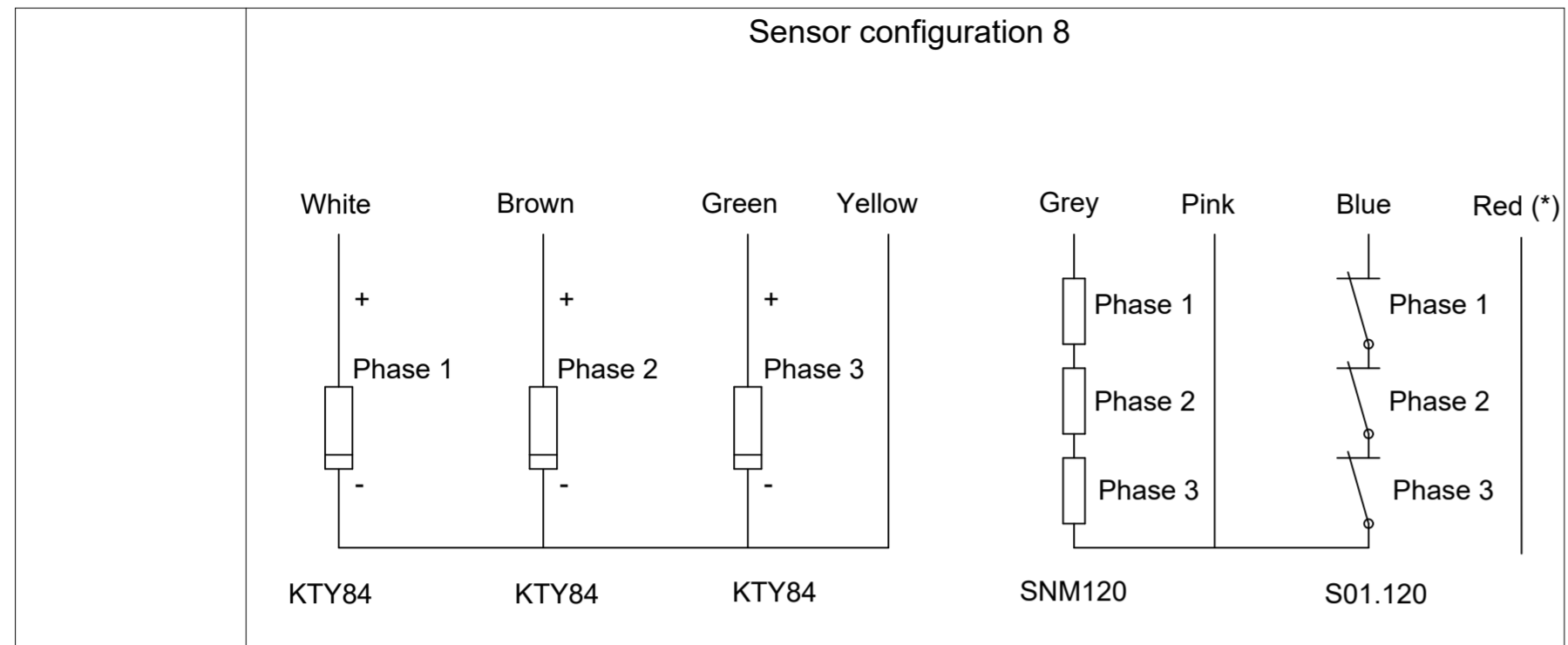
TML0291-150



$\phi 290$	k10	$+0.21$ 0	290.21 290
$\phi 200$	H8	$+0.07$ 0	200.07 200
Cote	Ajustement		

ECO N°	Nom	Date	Description
C80258-22	GRO	05.06.2016	
Principe de tolérancement de base ISO 8015 et tolérance générale selon ISO 2768-mk			
Dimension nominale	Linéaire	Rayon	Châtré
0.5 - 3	± 0.1	± 0.2	
3 - 6	± 0.1	± 0.5	
6 - 30	± 0.2	± 1	
30 - 120	± 0.3	± 2	
120 - 400	± 0.5	± 4	
400 - 1000	± 0.8		
1000 - 2000	± 1.2		
Dimension nominale	Lks	α	
10	$\pm 1^\circ$		
10 - 50	$\pm 2^\circ$		
50 - 120	$\pm 3^\circ$		
120 - 400	$\pm 5^\circ$		
400 - 1000	$\pm 8^\circ$		
1000 - 3000	$\pm 10^\circ$		
Dimension nominale			
50	0.05	0.4	0.6
25	0.1	0.4	0.6
12.5	0.2	0.4	0.6
6.3	0.4	0.6	0.8
3.2	0.6	0.8	1
1.6	0.8	1	1
0.8	1	1	1
0.4	1	1	1
0.2	1	1	1
0.1	1	1	1
0.05	1	1	1
0.025	1	1	1

Arêtes de formes ISO 13715	Torque motor TML0291-100 / 150	Auteur	Vérificateur	Libérateur
$\sqrt{0.3}$		S. Iervolino		
$\sqrt{0.3}$		25.10.05		
Interface drawing		Ancien n° : 0516m-14.0-03d (Version) Revision		
Projection	Format	Echelle	Feuille Page	
1st angle	A1	1:2	576155 - 04 - A-01 1/1	



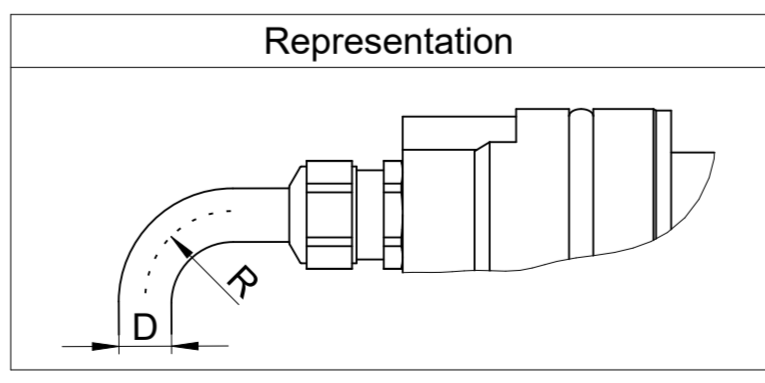
Power cable connection

Color and wire number	Function	Drawing
Black wire with number 1 or U	Phase 1 (PH1)	
Black wire with number 2 or V	Phase 2 (PH2)	
Black wire with number 3 or W	Phase 3 (PH3)	
Yellow and green wire	Ground (GND)	
Black wire with number Br1 or 5 or white cable	Neutral point wire (present only on some motor types)	
Black wire with number Br2 or 6 or black wire without label	None(**)	

(**): This wire is automatically present when the neutral point wire (which is an option) is added in the motor as it is a 2 x 1.5 mm² cable.

Wire section (mm²)

Characteristics	4 x 1.5	4 x 1.5 + 2 x 1.5	4 x 2.5	4 x 2.5 + 2 x 1.5	4 x 4	4 x 4 + 2 x 1.5	4 x 10	4 x 10 + 2 x 1.5	Sensor cable
Applicable motors: TMM / TML	0140 0175 0210 0291 0360 0450	0175 0210 0291 0360 0450 0530	0291 0360	0360 0530	0360 0450 0530	0360 0450 0530	0450 0530	0530	All TMM / TML
Minimum bend radius for fixed cable	R = 4 X D	R = 5 X D	R = 4 X D	R = 5 X D	R = 4 X D	R = 4 X D	R = 4 X D	R = 4 X D	R = 6 X D
Minimum bend radius for moving cable	R = 7.5 X D	R = 7.5 X D	R = 7.5 X D	R = 7.5 X D	R = 7.5 X D	R = 7.5 X D	R = 7.5 X D	R = 7.5 X D	R = 12 X D



(*): Red wire (if present) is not connected on the motor side and cutted flush on cable extremity.

Text:		ID number:	
Original drawing		Change No. C145178-05	
Scale		Released: 20-Sep-22	
Format		Tolerances as per ISO 8015 : 2011	
Dimensions in mm		Tolerances selon ISO 8015 : 2011	
1:1		Dimensions without tolerance ± 0,2	
A2		Dimensions sans tolérances	
Mating Dimensions / Cotes d'encombrement			
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ETEL		ETEL S.A. 2112 Môtiers SWITZERLAND	
Version		Revision	
Sheet		Page	
1		1	
Document number		1389869-00-A-01	