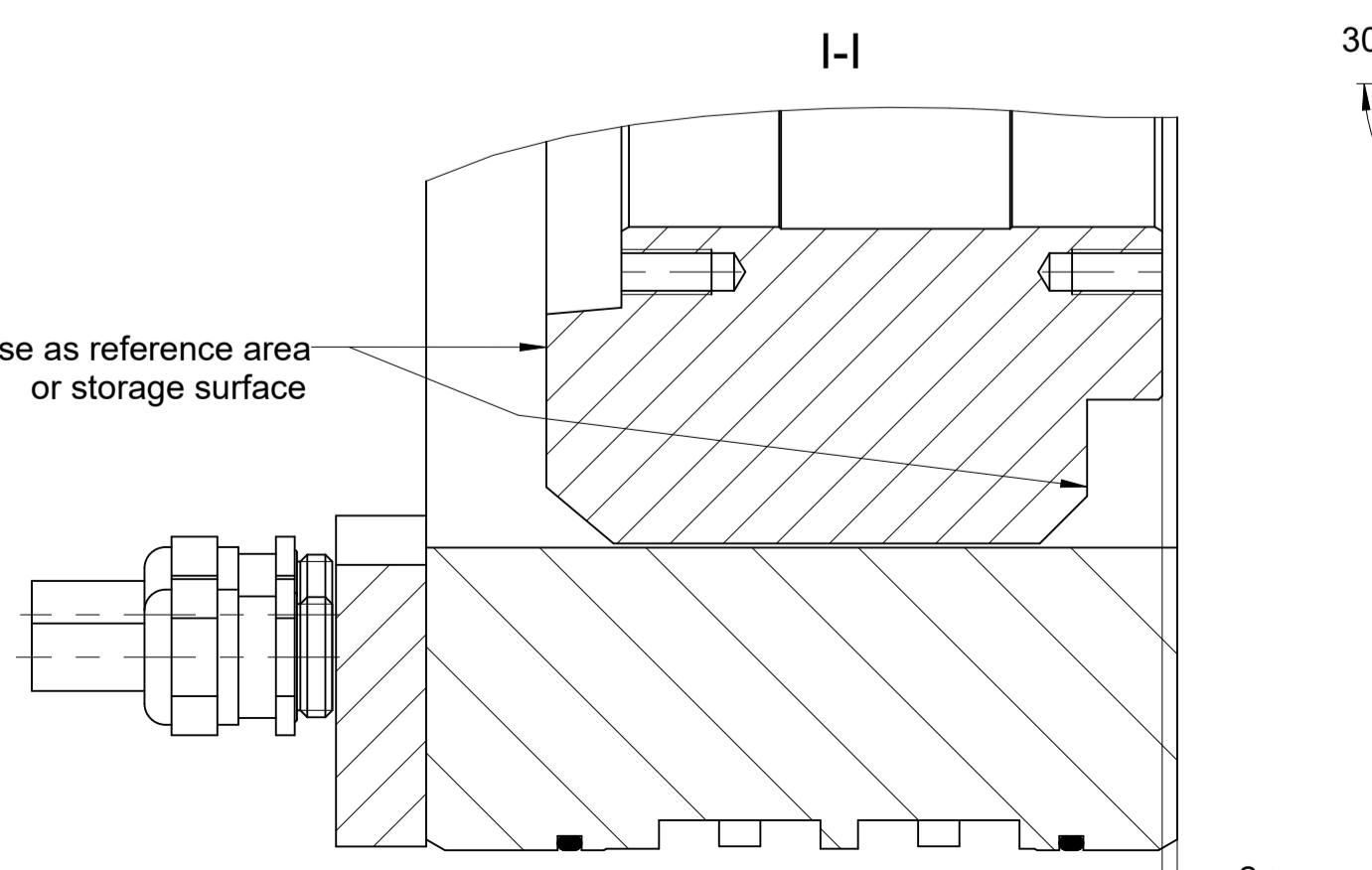
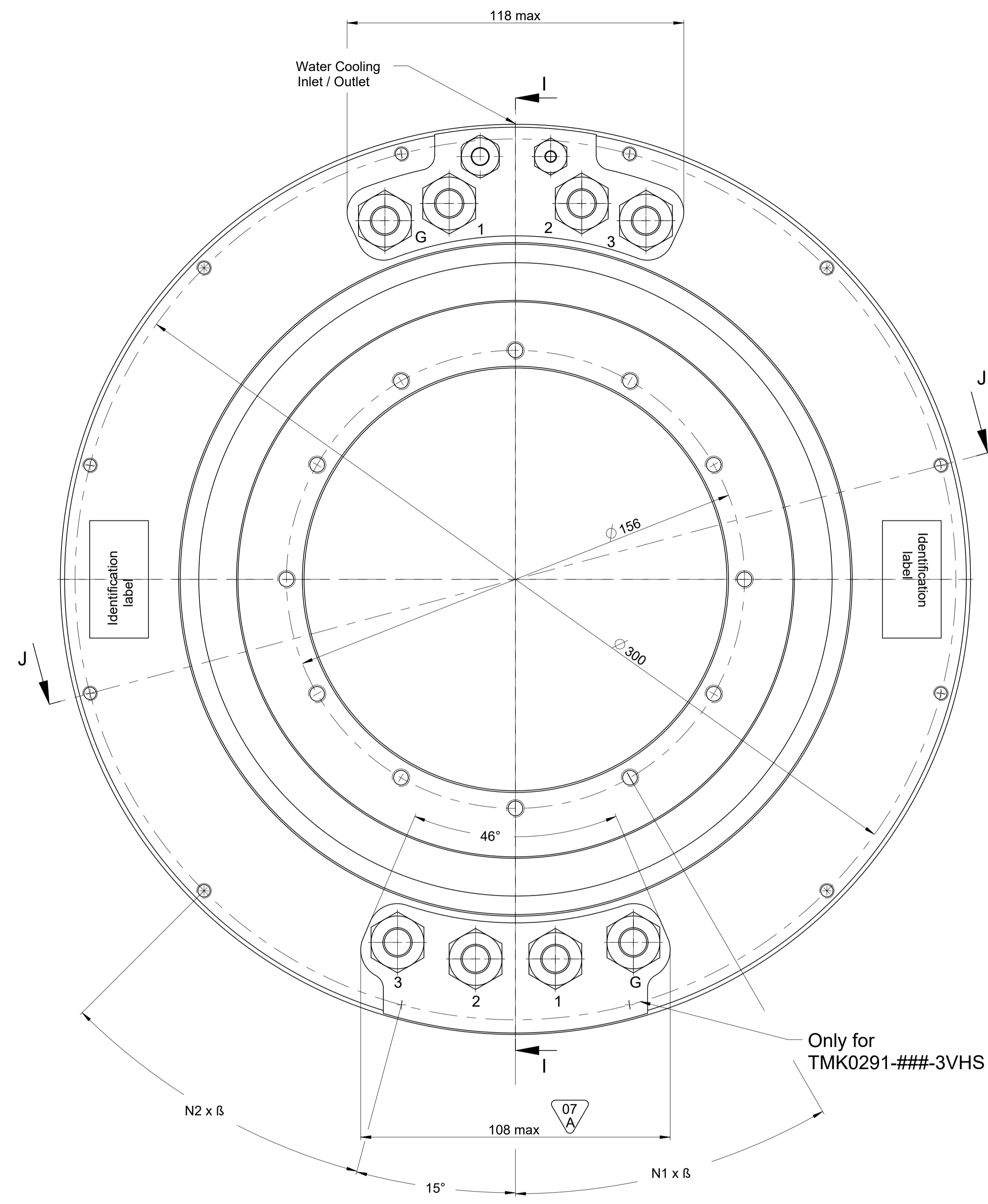
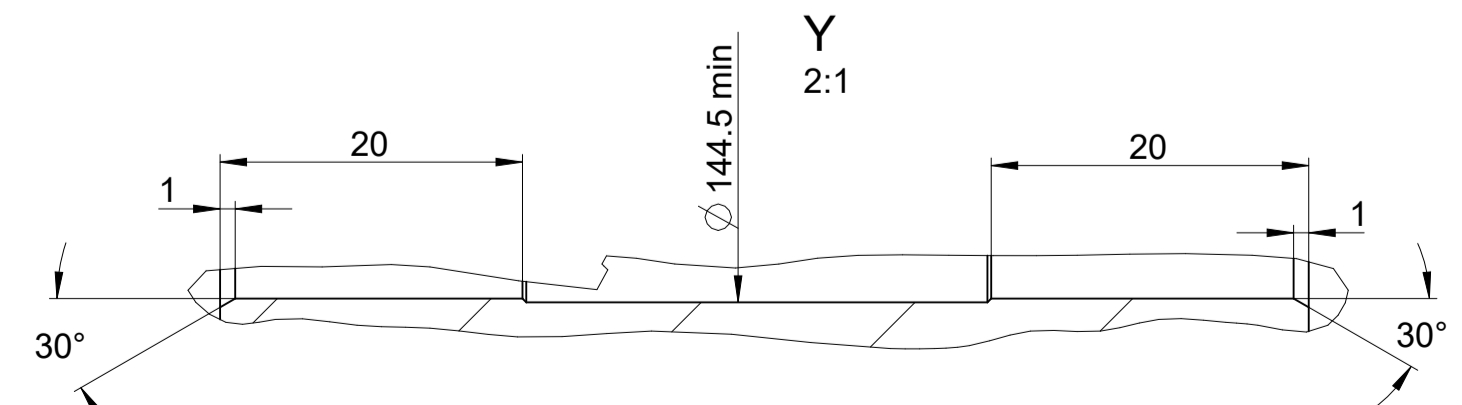
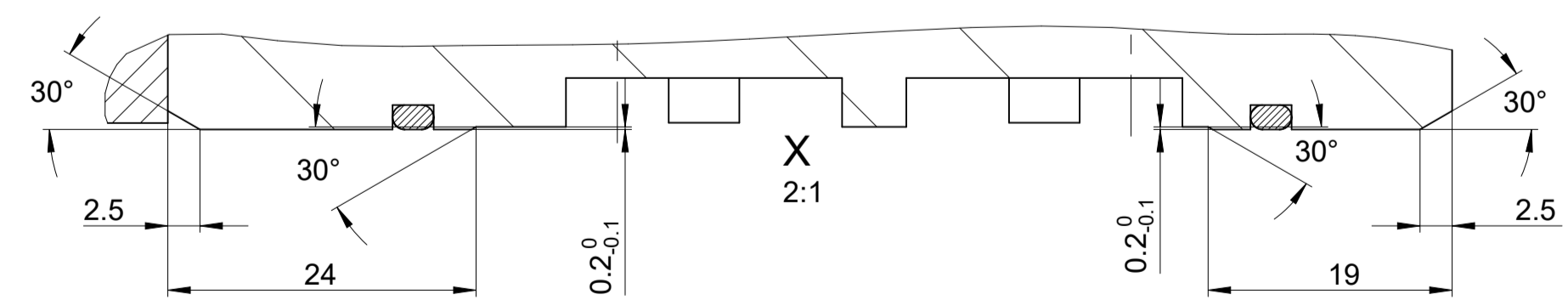


Rotor shoulder position on cable side

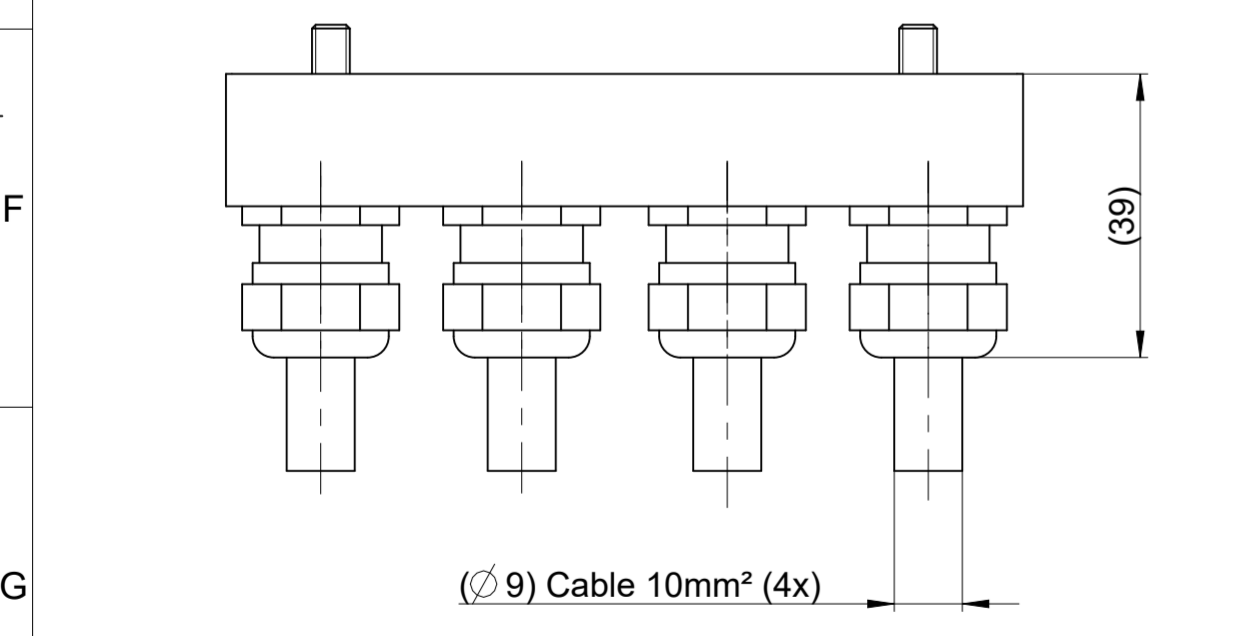
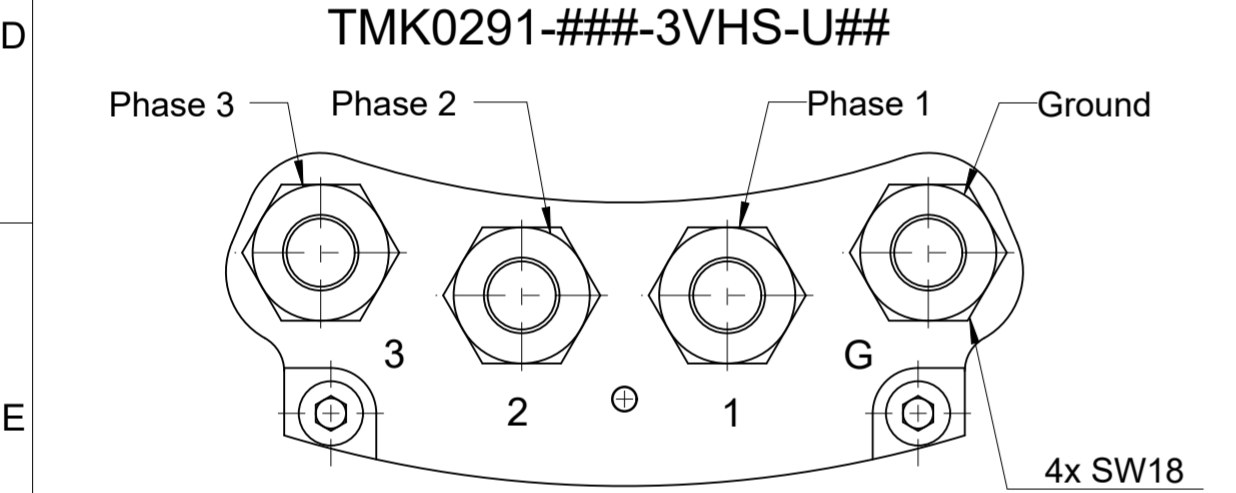
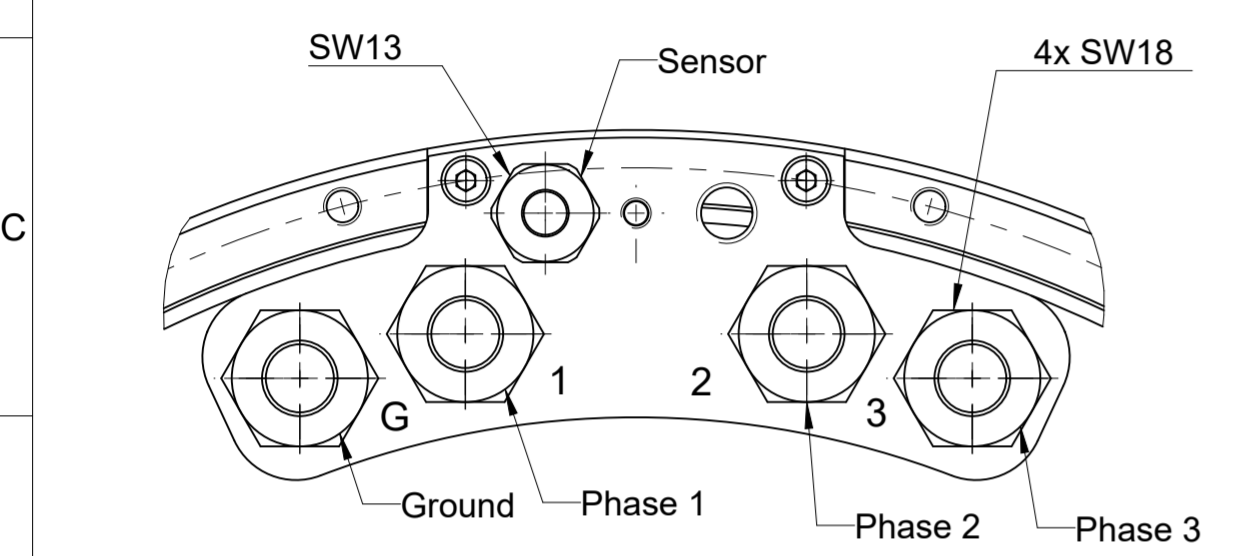
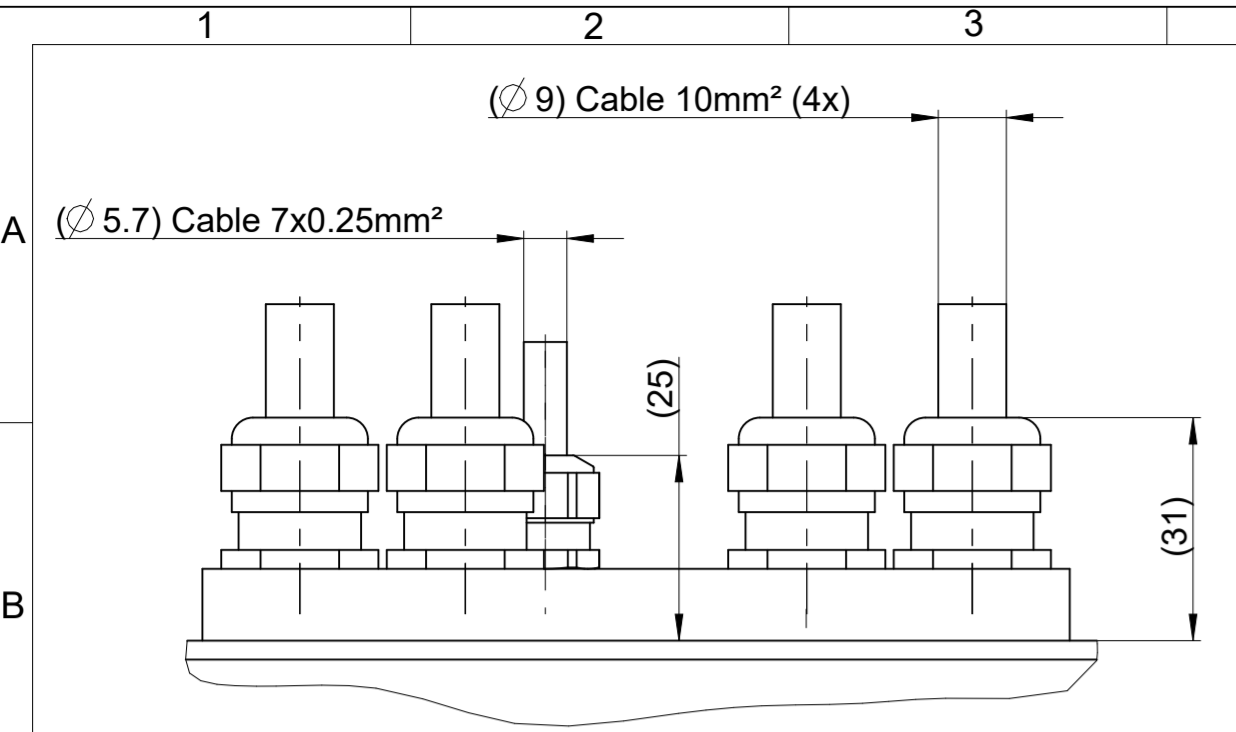


Rotor shoulder position on opposite side of cable

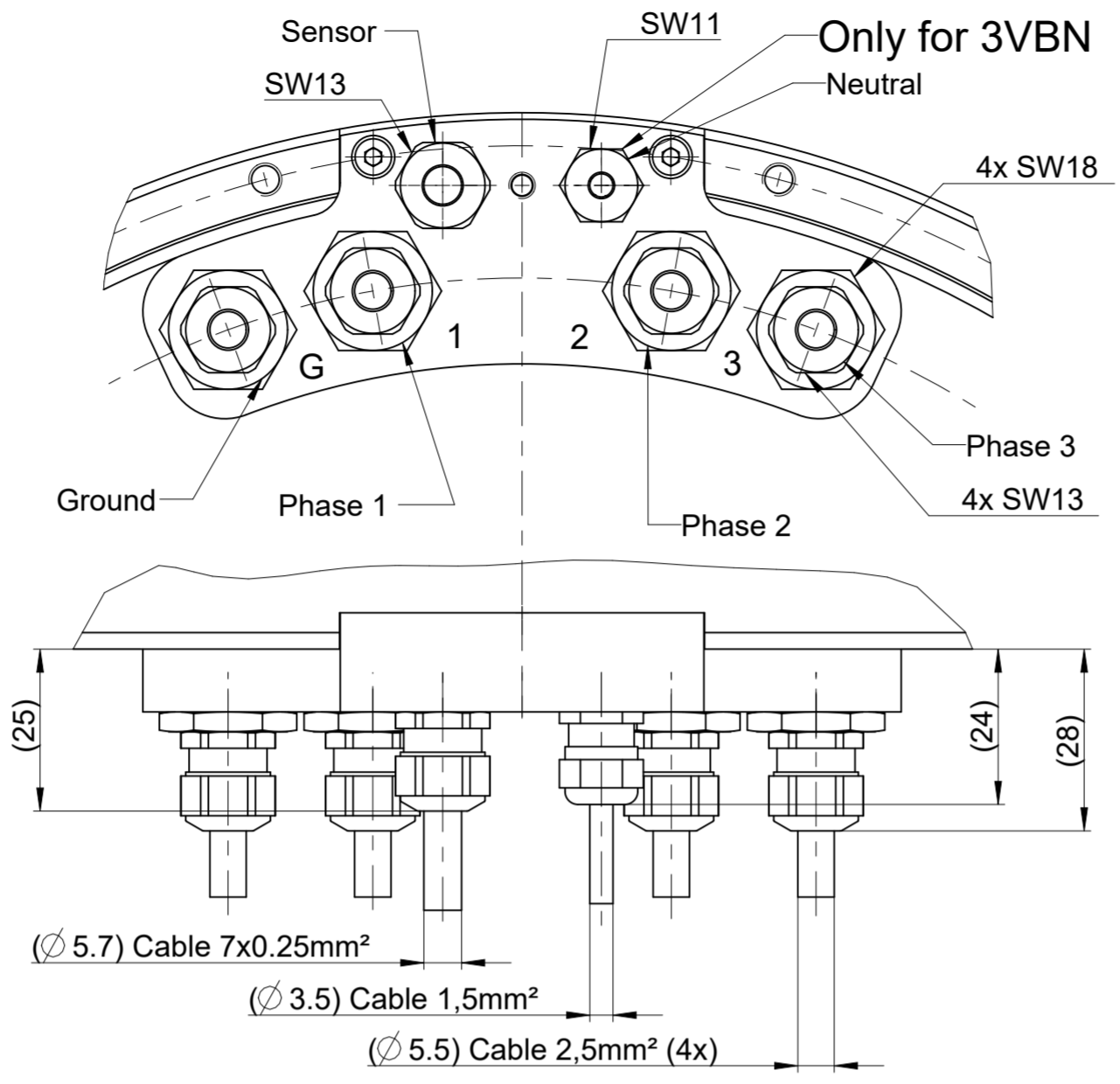


PRODUCT	L1	L2	L3	N1	N2	β
TMK0291-050	100	81	40	12	12	30
TMK0291-070	120	101	60	12	12	30
TMK0291-100	150	131	90	24	24	15
TMK0291-150	200	181	140	24	24	15

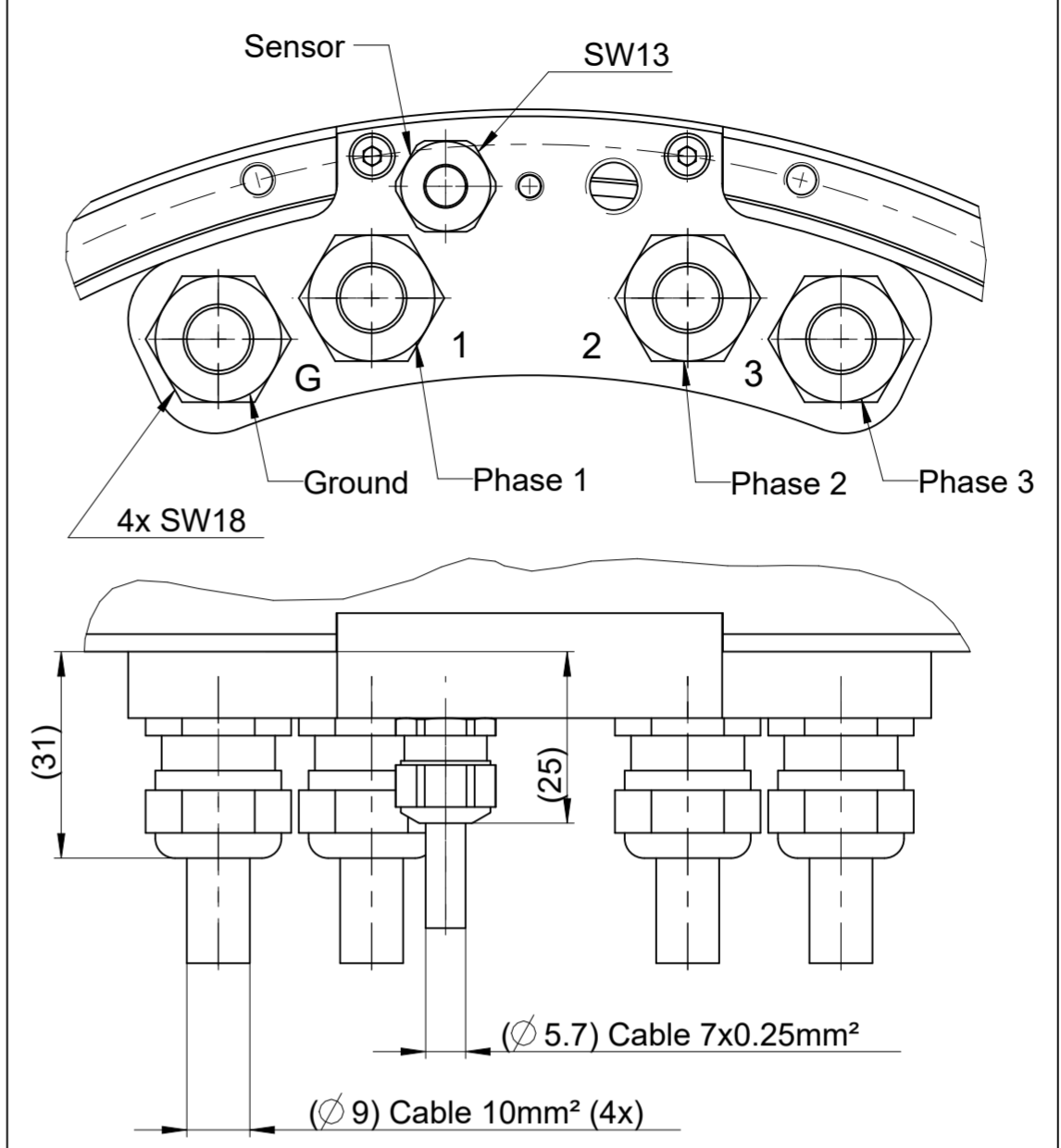
Text:		ID number
Original drawing	Scale	Change No. C115144-02
RoHS	Format	Released: 17.09.2020
Dimensions in mm / Cotes en mm		Material: Matière:
Workpiece edges ISO 13715 Arêtes de formes selon ISO 13715		Surfaces as per ISO 1302 Etats de surface selon ISO 1302
General tolerances ISO 2768-mK Tolérances générales ISO 2768-mK		Surface treatment: Traitement de surface:
Tolerances as per ISO 8015 : 2011 Tolérances selon ISO 8015 : 2011		
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ETEL S.A. 2112 Möhlers SWITZERLAND		Version/Revision/Sheet Page 648791-07-A-01 1 of 1



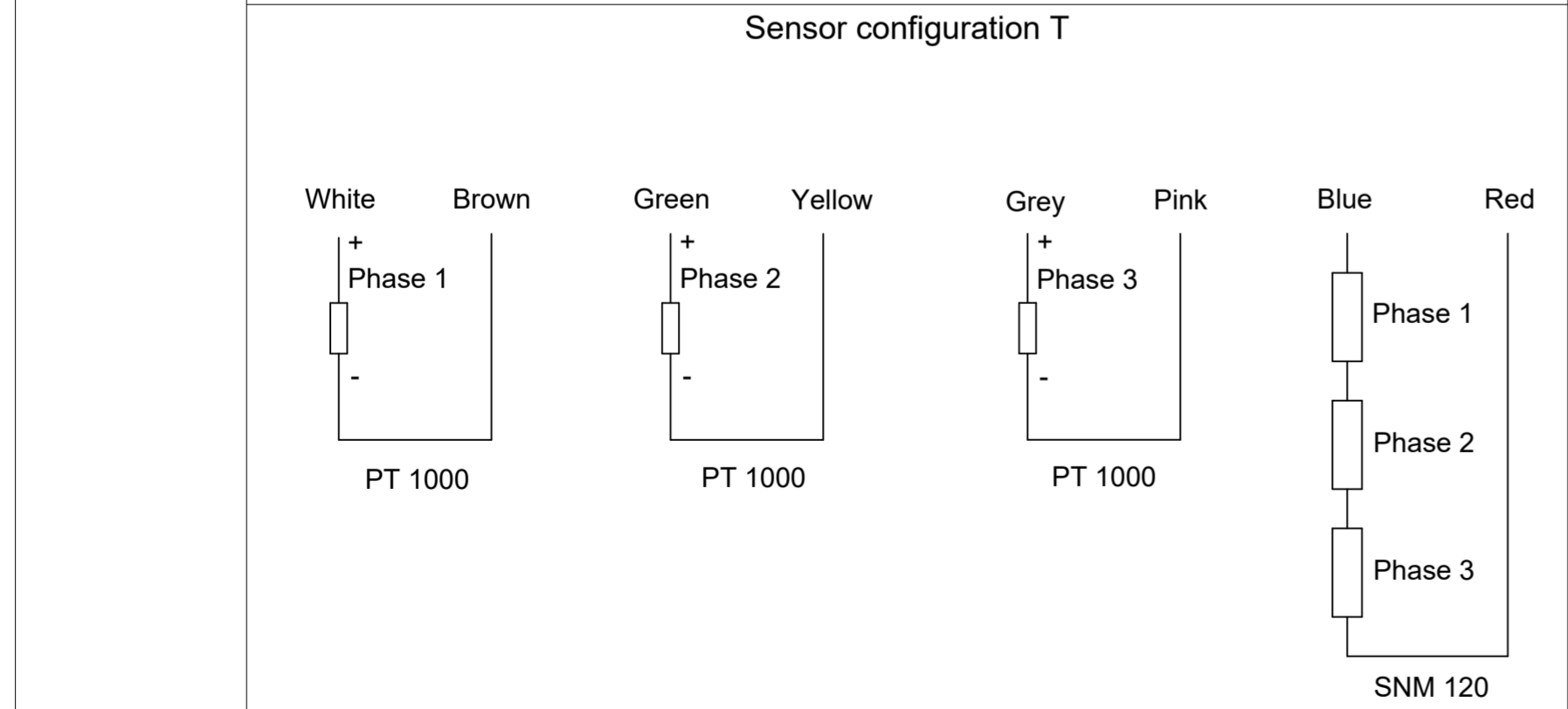
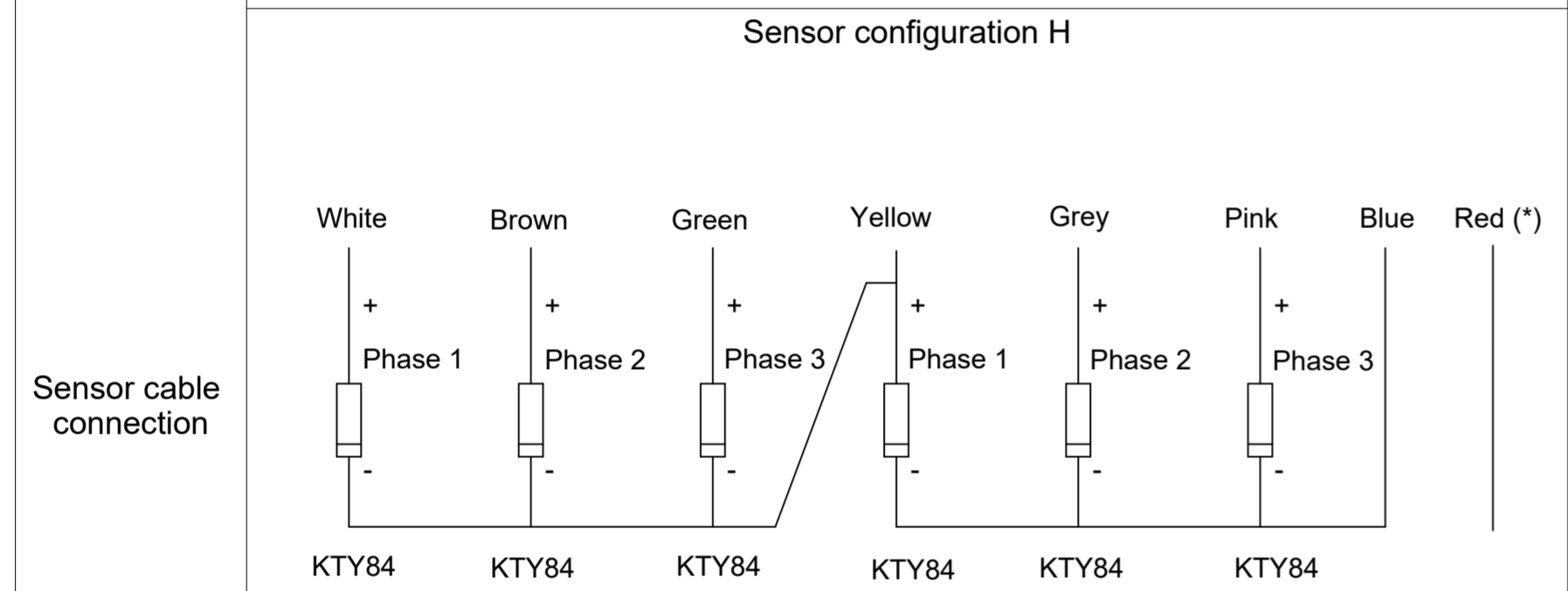
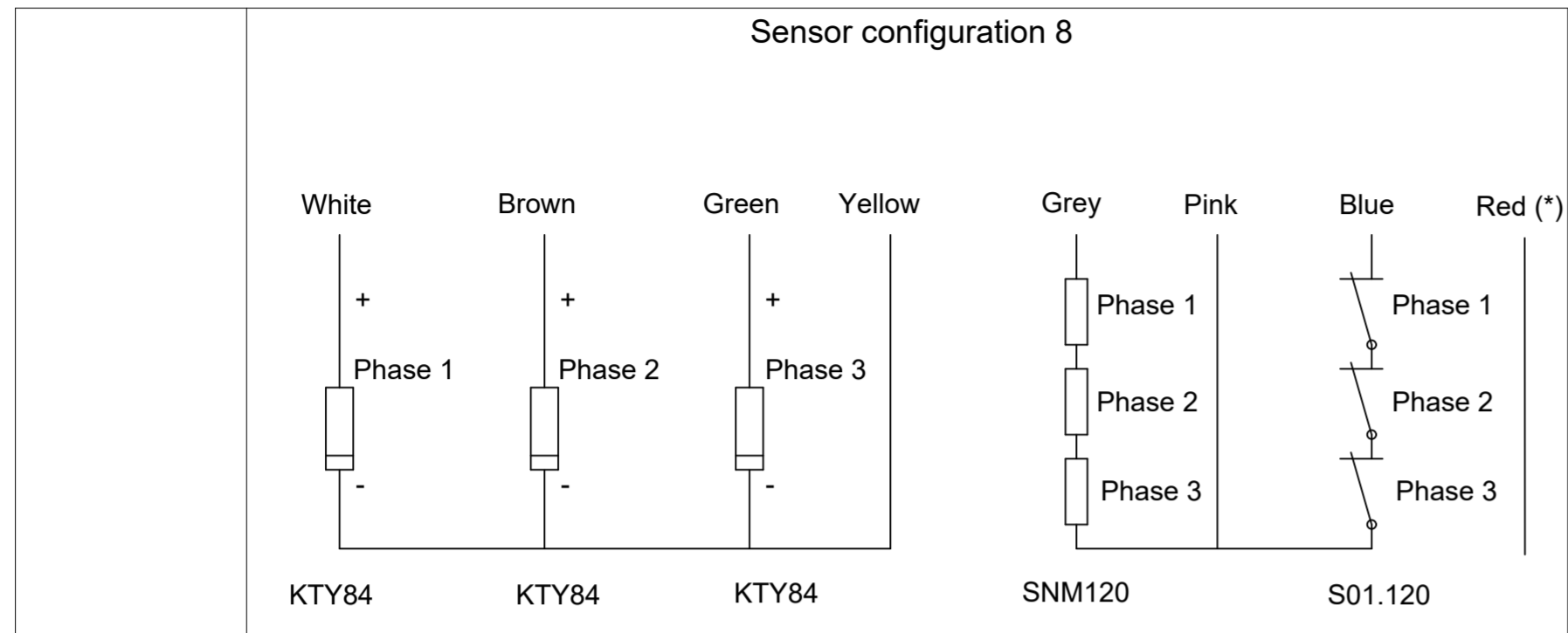
TMK0291-###-3VBN-U## and 3VBS-U##



TMK0291-###-3VDS-U##



Text:			ID number	
Original drawing Scale: 1:1 Format: A2			Change No. C115144-02 Released: 17.09.2020	
RoHS			Material: Matière:	
Torque motor TMK0291 cables outputs U (interface) Moteur couple fer TMK0291 sorties de câbles U (interface)				
Dimensions in mm / Cotes en mm			Mating Dimensions / Cotes d'encrobrement	
Workpiece edges ISO 13715 Arêtes de formes selon ISO 13715		General tolerances ISO 2768-mK Tolérances générales ISO 2768-mK		Surfaces as per ISO 1302 Etats de surface selon ISO 1302
		Tolerances as per ISO 8015 : 2011 Tolérances selon ISO 8015 : 2011		Surface treatment: Traitement de surface:
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			Version/Revision/Sheet Page 1 of 1	
			648791-07-A-02 Document number	



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

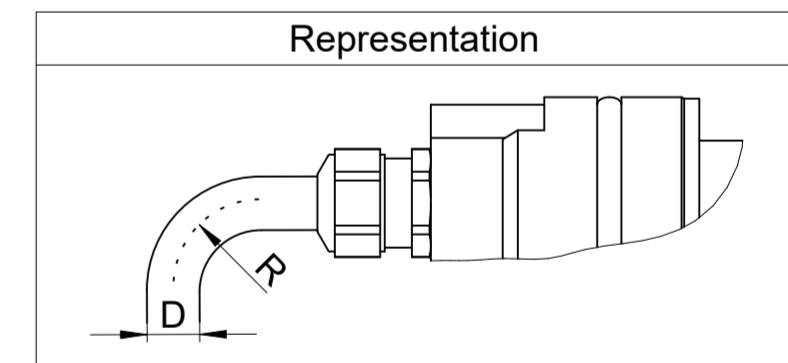
Power cable connection

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 or 2 x 1.5 mm² cable.

Wire section (mm²)

Characteristics	1 x 1.5	1 x 2.5	1 x 4	1 x 6	1 x 10	1 x 16	Sensor cable
Applicable motors	TMK0291 TMK0360 TMK0761 TMK0991	TMK0175 TMK0291 TMK0360 TMK0530	TMK0360	TMK0175 TMK0360 TMK0530	TMK0291 TMK0530 TMK0761	TMK0360 TMK0530 TMK0761 TMK0991	All TMK
Minimum bend radius for fixed cable	R = 5 X D	R = 4 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 = 10 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



Text:		Original drawing Scale: 1:1 Format: A2		TMK sensor config. and cables prop. (interface)		ID number	
RoHS		1:1 A2		TMK config. capteur et prop. câbles (interface)		Change No. C115144-05 Released: 18.09.2020	
Workpiece edges ISO 13715 Arêtes de formes selon ISO 13715		General tolerances ISO 2768-mK Tolérances générales ISO 2768-mK		Surfaces as per ISO 1302 Etats de surface selon ISO 1302		Material: Matière:	
Tolerances as per ISO 8015 : 2011 Tolérances selon ISO 8015 : 2011		Surface treatment: Traitement de surface:		Version/Revision/Sheet		Page	
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