Magnetic field evaluation document

Mod - 85 – 8
feb-20 - Rev.1

SEFE-ATM

This document certifies that the underlying product:

MANUFACTURER	***SCHUNK GmbH & Co. KG***
DESCRIPTION	***Electro-permanent magnetic gripper EMH***
MODEL	***36-B***

has been subjected to the measurement of the magnetic field, with reference to human exposure, in accordance with the Community Directive 2013/35/EU.

The evaluation of the electromagnetic field was performed using the following primary instrument

MANUFACTURER	MODEL	CALIBRATION DATE	BANDWIDTH	ACCURACY	GEOMETRY
NARDA S.T.S / PMM	HP-01	26/07/2018	DC at 1kHz	± 1% of reading	Hall triaxial probe

The end user is reminded that this evaluation was carried out on a new product, in rest and working conditions, without any magnetically attached piece.

It will be up to the end user to repeat the evaluation by replicating the real working conditions.

It will also be the user's responsibility to repeat the evaluation if wear or accidental events suggest that results of the first evaluation have been exceeded.

SCHUNK GmbH & Co. KG
Bahnhofstr. 106 - 134 D-74348 Lauffen/Neckar
Tel. +49-7133-103-0 Fax +49-7133-103-2399
info@de.schunk.com www.schunk.com

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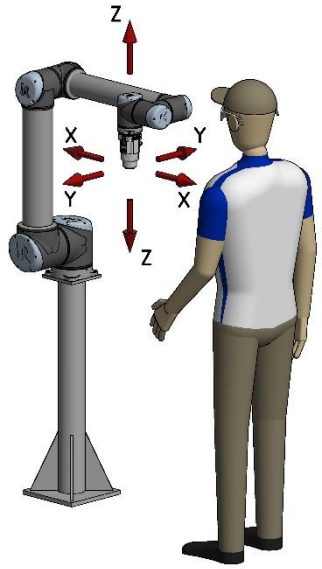

TERMS AND DEFINITIONS	LIMIT VALUES	WORKING CONDITIONS MAGNETIZED Min Distance	WORKING CONDITIONS DEMAGNETIZED Min Distance
Sensorial ELV: *Exposure limit value above which workers could be subject to temporary disturbances in sensory perception and slight alterations in brain function;*	2T	0 mm *	0 mm *
Healthy ELV: *Exposure limit value above which workers could be subject to harmful effects on health, such as thermal heating or stimulation of nerve or muscle tissue;*	8T	0 mm *	0 mm *
Limb exposure ELV: *exposure limit value above which workers could be subject to temporary disturbances of sensory perception and slight alterations of brain functions with reference to the single exposure of the lower or upper limbs;*	8T	0 mm *	0 mm *
AL limit x attraction: *Action limit value above which it is necessary to take action to reduce the risk of attraction and propulsion in the peripheral field of high intensity sources;*	3.000 µT	0 mm * long x-y 60 mm long z	0 mm * long x-y 7 mm long z
AL limit x interference: *action limit value above which it is necessary to take action to reduce the risk of interference with active implanted devices, such as cardiac pacemakers;*	500 µT	45 mm long x-y 120 mm long z	15 mm long x-y 30 mm long z
		*Values achieved at any point, no minimum distance.	

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