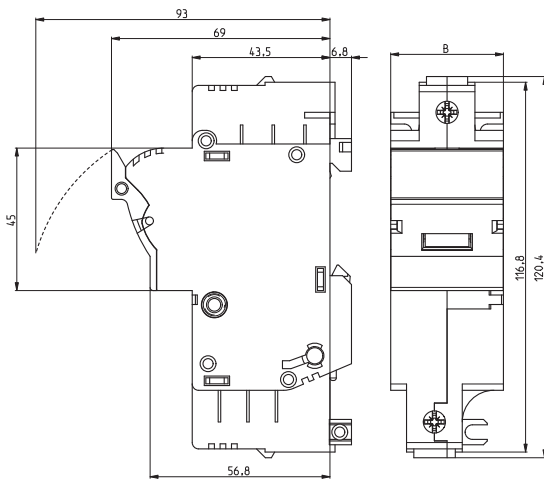


Fuse Disconnecter EFD

Type: EFD22



Fuse-switch disconnecter EFD 22

type	dimension B
EFD 22, J30 1p	35,6
EFD 22 1p+N	71,2
EFD 22, J30 2p	71,2
EFD 22, J30 3p	106,8
EFD 22 3p+N	142,4

Technical data EFD

Fuse type	EFD 22	
	CH 22x58	
Versions	IEC	UL
Number of poles	1p, 1p+N, 2p, 3p, 3p+N	
Rated operational voltage Ue	690V a.c.	600V a.c./d.c.
Rated operational current Ie	100A	100A
Maximum rated current of fuselinks	690V	50A gG 50A aM
	500V	100A gG
	400V	100A aM
Rated frequency	50Hz	60Hz
Rated short-time withstand current Icw	1200A/1s	
Conventional free air thermal current Ith	100A	
Rated conditional short-circuit current	gG: 120kA/500V (100A gG) aM: 50kA/400V (100A aM)	100kA
Rated insulation voltage Ui	690V	
Rated imp. withstand voltage Uimp	8kV	
Overvoltage category (according to Table H.1 in IEC 60947-1 and according to IEC 60099-1)	III	
Max power dissipation of the fuse-link (W)	gG: 9,5W aM: 7W	
LED indicator operating range	50V-690V a.c.	
NEON indicator operating range		
Utilization category	AC-21B at 690V/100A	
Operational performance (cycles with current)	300	
Operational performance (cycles without current)	1700	
Humidity		
Operating ambient temperature	-5°C ... +40°C	
Store ambient temperature	-25°C ... +55°C	
Degree of protection (IEC 60529)	IP 20	
Terminal capacity	4-50mm ² rigid or flexible	
Screw	PZ M6	PZ M6
Torque	3Nm	
Mounting on EN 60715 rail		
Sealing possibility		
Standards - fuse links	IEC/EN 60269-2	IEC/EN 60269-2
Standards - Fuse-switch disconnectors/fuse holders	IEC 60947-1 IEC 60947-3	UL 4248-1 UL 486E
Test reports	CCA/CB	UL
Certificates		UL _{US}



Dokument/document		Utgava datum/edition date
Försäkran om överensstämmelse/ Declaration of conformity		29/06/2016
Avdelning/department Kvalite/Quality		
Ansvarig/prepared Magnus Arvidsson	Version 5	Sida/page 1 av/of 1

Supplier/Tillverkare: **GARO AB**
Box 203
S-335 25 GNOSJO Telephone: +46 (0)370 33 28 00
Sweden Telefax: +46 (0)370 33 28 50

Supplier established within EU/Ombud etablerad inom EG

Supplier of equipment /Materielslag : Høug'F kœqppgeV

Trade Mark/ Varumärke: GARO

Type Designation / Typbeteckning: GHF .

We hereby declare that our product fulfils the requirements of following EC directives/
Vi intyggar härmed att vår produkt uppfyller krav enligt följande EU direktiv:

- The Low Voltage Directive (LVD) 2014/35/EU / Lågspänningsdirektivet (LVD) 2014/35/EU.
- Electromagnetic compatibility (EMC) 2004/108/EU / Elektromagnetisk kompatibilitet (EMC) 2004/ 108/EG.
- RoHS Directive (RoHS) 2011/65/EU / RoHS direktivet (RoHS) 2011/65/EG.
- No electromagnetic compatibility (EMC) immunity or emission tests are required on the assembly/
Produkten innehåller inte elektroniska apparater som påverkas enligt förbehållen enligt direktivet
(EMC) 2004/108/EG.

The following harmonised standards (latest edition) or technical specifications which comply with good engineering practice in safety matters in force within the EU have been used in the design: /

Följande harmoniserade standarder (senaste utgåva) eller tekniska specifikationer som uppfyller god säkerhetsteknik praxis inom EG har använts i konstruktionen: EN 62; 69-1.'GP '82; 69/5

- The equipment conforms completely with the above stated harmonised standards or technical specifications. /
Materielen överensstammer helt med ovan angivna harmoniserade standarder eller tekniska specifikationer.

Or/eller

- The equipment confirms only partially with the above stated harmonised standards or technical specifications but complies with good practice in safety matters in force within the EU. /
Materielen överensstammer endast delvis med ovan angivna harmoniserade standarder eller tekniska specifikationer, men uppfyller god säkerhetsteknik praxis inom EG.

We have product surveillance according to CENELEC's harmonised requirements, documents CCA-201.

Garo AB
Company/Företag

2016-06-29
Date/Datum

Sign/Underskrift

Environmental- and Quality Manager/Kvalitets- och Miljöchef
Position/Befattning

Magnus Arvidsson
Name / Namnförtydligande