

EMF DATASHEET FOR ARC WELDING POWER SOURCE

EQUIPMENT INFORMATION

Manufacturer Fronius
 Model TransSteel 3500c 4R/FSC Syn; TransSteel 3500c 4R/F++ Syn; TransSteel 3500c 4R/FSC Syn nc; TransSteel 3500c 4R/E Syn nc; TransSteel 3500c 4R/F++ Syn nc; TransSteel 3500c 4R/FSC Syn nc; TransSteel 3500c 4R/E Syn nc; TransSteel 3500c 4R/TW Syn nc; TransSteel 3500c 4R/E Syn
 Model Number 4,075,165; 4,075,165,000; 4,075,165,637; 4,075,165,638; 4,075,165,639; 4,075,165,800; 4,075,165,801; 4,075,165,808; 4,075,165,001
 Intended use ☒ occupational ☐ by laymen

BASIC INFORMATION

Applied Regulations Directive 2014/35/EU
 Referenced Limits Directive 2013/35/EU, Recommendation 1999/519/EC
 Applied Standards EN 62822-1:2016, EN 62822-2:2016

Non-thermal effects need to be considered for the workplace assessment ☒ yes ☐ no

Thermal effects need to be considered for the workplace assessment ☐ yes ☒ no

☒ Data based on maximum power source capability

☐ Data based on worst case setting/program

☐ Data based on multiple settings / programs

COMPLIANCE SUMMARY

Compliance with ELVs for health effects at standardized configurations ☒ yes ☐ no

Compliance with ELVs for sensory effects at standardized configurations ☒ yes ☐ no

All values below the Action Levels at the standardized configurations ☐ yes ☒ no

NON-THERMAL EFFECTS

| | HEAD | | TRUNK | LIMB HAND | LIMB THIGH |
|-----------------------------|-----------------|----------------|----------|-----------|------------|
| | SENSORY EFFECTS | HEALTH EFFECTS | | | |
| Standardized distance | 10.00 cm | 10.00 cm | 10.00 cm | 3.00 cm | 3.00 cm |
| EI at standardized distance | 0.30 | 0.28 | 0.46 | 0.26 | 0.60 |
| Required minimum distance | 2.00 cm | 1.00 cm | 3.00 cm | 1.00 cm | 1.00 cm |

Distance where all EIs fall below 20:% 35.00 cm

Distance where compliance with general public limits is reached: 3.00 m