Fig 1: **Typical installation**

final circuits

cable sizes
circuit duty

circuit rating				
design current				
breaking capacity				
final distribution board				

pfc
breaking capacity
rating
function

switch

final circuits

cable sizes
circuit duty

circuit rating			
design current			
breaking capacity			
final distribution board			

pfc
breaking capacity
rating
function

switch

conductors
type & configuration
size

structure
wiring
bonding
information

INSTALLATION
AI

cable sizes
circuit duty

circuit rating			
design current			
breaking capacity			
final distribution board			

final circuits

IP code as
required

pfc
breaking capacity
rating
function

switch

protective conductors
size

earthing
terminal

main equipotential
bonding conductors
size

TT SYSTEM

separate installation

main
board

rating
design current
pfc
breaking capacity

protective device

rating
design current
pfc
breaking capacity

protective device

rating
design current
pfc
breaking capacity

protective device

busbars - rating - pfc

rating
design current
level of protection
main switch and protective device

IP code as
required

INSTALLATION
A

size & type of
meter tails

earthing terminal

installation
earth electrode

conductors
type & configuration
size

protective conductors size

main equipotential
bonding conductors
size

pfc = prospective fault current
md = maximum demand

nominal voltage/md current
pfc
earthing system

supplier's final distribution

energy source

means of earthing

external impedance
value